Océ TDS-TCS

Connectivity Manual

océ

Océ-Technologies B.V.

This manual contains a description of how the Océ TDS-TCS is connected to the network using various connection types and how to connect workstation to the Océ TDS-TCS Digital Multifuctional System.

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Chapter 1
Introduction

This chapter gives an introduction to the protocols, connections and printing solutions for the Océ TDS/TCS systems.

Supported transport and printing protocols

The Océ TDS/TCS systems support the following *transport* protocols:

- TCP/IP
- IPX/SPX
- NetBeui (only for NT-based TDS)

The Océ TDS/TCS systems support the following *printing* protocols:

- LPD, FTP
- Pserver (Bindery and NDS)
- Only for TDS:
  SMB printing (also known as LAN Manager or Windows networking) on top of Netbios over NetBeui, TCP/IP or IPX/SPX

Compatibility matrix

To make sure that you are installing a driver compliant with your Océ TCS/TDS printer version, you can check your printer controller version. Then, see the compatibility matrix to know which driver is optimized with your printer and operating system.

Note: *You must use the Océ WPD or PS3 driver with the Océ TCS printers.*

~ **Check your Océ TDS printer version**

1. On the controller, open the System Control Panel.
2. Open the Help.
3. Click ‘About’ to find the Océ printer version.

~ **Check your Océ TDS printer version on systems with no screen**

1. From your Océ TDS printer System Control Panel, make sure you are off-line.
2. Select the ‘System’ menu.
3. In that menu, select ‘Print settings’ to print the dump configuration..
4. Press the On-line button to launch the printing.
5. On the printout, check the ‘Release number controller’.
   Note: *This number is usually found on the last page of the printout.*
6. Result:
   - If the release number is below 6.1.x, your Océ TDS printer requires the WRD or PS3 drivers.
   - If the release number is 6.1.x or higher:
   - your Océ TDS400 is v1.4.3 or higher.
   - your Océ TDS600 is v3.2.3 or higher.
   - your Océ TDS800 is v1.3.3 or higher.

See the compatibility table to know which driver to install:

Printer	*Windows 2000/XP/Server 2003*	*Windows 98/Me*
Océ TCS300	+ Terminal Server, Citrix Metaframe: **WPD, PS3**	-
Océ TCS400	+ NT, Terminal Server, Citrix Metaframe: **WPD, PS3**	**WPD** **PS3**
Océ TCS500	+ Terminal Server, Citrix Metaframe: **WPD, PS3**	-
Océ TDS300	+ NT, Terminal Server, Citrix Metaframe: **WPD, PS3**	**WRD3** **PS3**
Océ TDS320	+ NT, Terminal Server, Citrix Metaframe: **WPD, PS3**	-
Océ TDS400 v1.0 to v1.4	+ NT **WRD3, PS3**	**WRD3** **PS3**
Océ TDS400 v1.4.3 and higher	+ NT, Terminal Server, Citrix Metaframe: **WPD, PS3**	
Océ TDS450	+ NT, Terminal Server, Citrix Metaframe: **WPD, PS3**	-
Océ TDS600 v2.0 to v3.2	+ NT **WRD3, PS3**	**WRD3** **PS3**
Océ TDS600 v3.2.3 and higher	+ NT, Terminal Server, Citrix Metaframe: **WPD, PS3**	
Océ TDS800 v1.0 to v1.3	+ NT **WRD3, PS3**	WRD3 PS3
Océ TDS800 v1.3.3 and higher	+ NT, Terminal Server, Citrix Metaframe: **WPD, PS3**	
Océ TDS860	+ NT, Terminal Server, Citrix Metaframe: **WPD, PS3**	-

Physical connections

With the Océ TDS/TCS the following networking boards are available:

- Standard: Ethernet (UTP) 10/100 Mbit with RJ45 connector
- Optional: Ethernet board with 3 connectors (for NT-based TDS only):
  - RJ45 (10 Mbit only)
  - AUI
  - BNC
- Optional: Token-Ring board with 2 connectors:
  - RJ45
  - 9 pin DB9

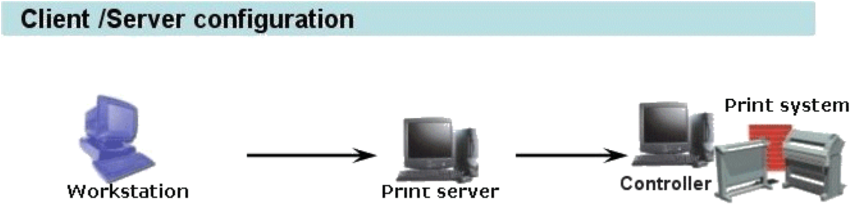
Network printing architectures

Depending on your network architecture, multiple printing solutions are available for each supported operating system.

Basically there are two main configuration types:
- Client / Server configuration.
- Peer to peer configuration.

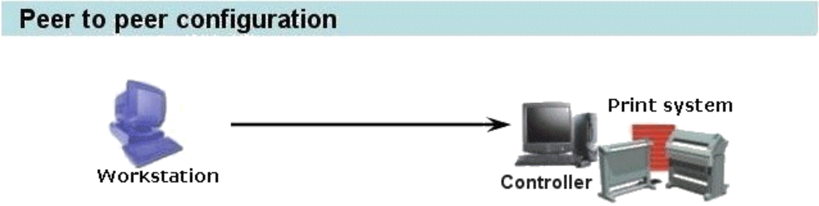
Client / Server configuration

In this configuration, the printing resources administration is centralized. The client workstation is connected to a print server linked to the print system (controller). Recommended for large scale LAN’s.



Peer to peer configuration

In this configuration, the client workstation is directly connected to the print system (controller). Recommended for small LAN’s.



Chapter 2
Windows TCP/IP environment

Introduction

This chapter describes the configuration of printing and scanning in a Windows TCP/IP environment:

- How to setup the Océ TDS/TCS controller.
- How to install a dedicated Print Server and a client workstation in order to work in a Client/Server configuration.
- How to configure the client workstation in a peer to peer configuration.
- How to print using FTP protocol.
- How to configure Scan-to-file.

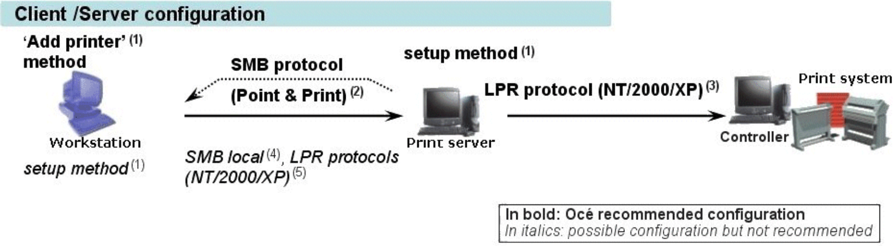
Network printing architectures

Depending on your network architecture, multiple printing solutions are available for each supported operating system.

Basically there are two main configuration types:
- Client / Server configuration.
- Peer to peer configuration.

Client / Server configuration

In this configuration, the printing resources administration is centralized. The client workstation is connected to a print server linked to the print system (controller). Recommended for large scale LAN's.


Client /Server configuration
'Add printer' (1) method
Workstation
setup method (1)
SMB protocol
(Point & Print) (2)
SMB local (4), LPR protocols (NT/2000/XP) (5)
setup method (1)
Print server
LPR protocol (NT/2000/XP) (3)
Controller
Print system
In bold: Océ recommended configuration
In italics: possible configuration but not recommended

Where:
(1) is the method to apply for the driver installation (See the drivers User Manual).

(2) SMB 'Point & print' is the Océ recommended connection to the print server. Advantages:
- No installation CD is necessary.
- Important gain of time on driver upgrading in large networks. The driver needs to be upgraded manually on the print server only, and the workstations drivers are then automatically upgraded.
- The same version of the driver is available and used by all workstations users.

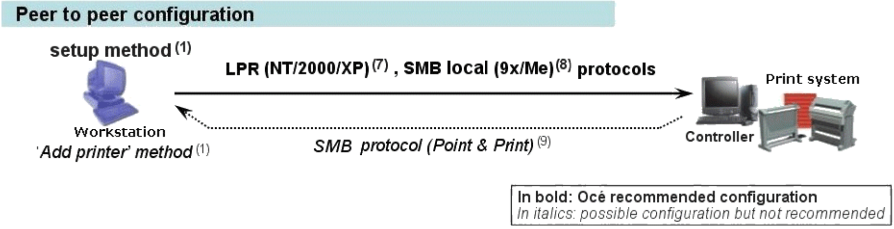
(3) Océ recommended connection to the print system for Windows NT/2000/XP/Server 2003. It is compatible with Océ TDS/TCS High and Medium security levels.

(4) (5) this connection type does not have the advantaged of (2) ‘Point & print’.

(5) works only under Windows NT/2000/XP/Server 2003 platforms.

Peer to peer configuration

In this configuration, the client workstation is directly connected to the print system (controller). Recommended for small LAN’s.


Peer to peer configuration
setup method (1)
Workstation
'Add printer' method (1)
LPR (NT/2000/XP) (7) , SMB local (9x/Me) (8) protocols
SMB protocol (Point & Print) (9)
Controller
Print system
In bold: Océ recommended configuration
In italics: possible configuration but not recommended

Where:
(1) is the method to apply for the driver installation (see the drivers User Manuals).

(7) Océ recommended connection for Windows NT/2000/XP/Server 2003 platforms. It is compatible with the ‘High’ and ‘Medium’ security levels.

(8) Océ recommended connection for installation under Windows 9x/Me platforms.
Not recommended for Windows NT/2000/XP/Server 2003 platforms because:
- the driver installation is more complicated.
- it is not compliant with the ‘High’ and ‘Medium’ security levels.

(9) SMB Point & Print is not recommended by Océ because the driver upgrade is not possible on the TDS/TCS print system nor on the workstation.
SMB Point & Print is not available on the Océ TCS500, Océ TCS300 and Océ TDS450 print systems.

Network environments

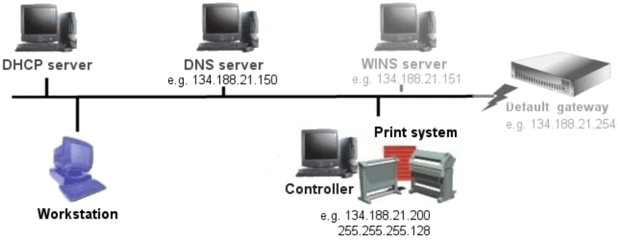
There are 2 main network environment types:

- The Enterprise network environment (with DNS server)
- The Small Office / Home Office (SOHO) network environment (without DNS server)

According to you network environment, follow the recommendations below to set up your print system controller.

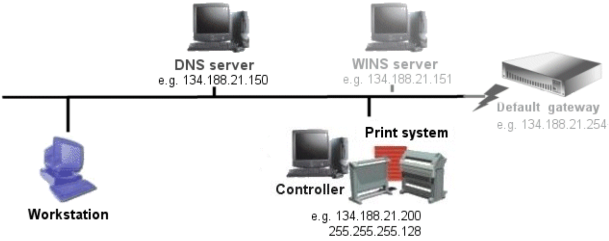
Enterprise network environment

1 **LAN with DNS and DHCP servers (for Enterprise or modern SOHO networks)**



a- If the DHCP server supplies all information (DNS, WINS, Default Gateway), enable DHCP on the controller.
b- If some information is not supplied, configure the missing TCP/IP addresses manually (e.g. DNS, WINS...).

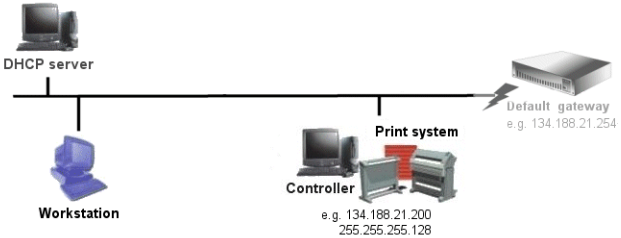
2 **LAN with DNS server but without DHCP server (former enterprise network)**



Disable DHCP on the controller and configure all the TCP/IP addresses manually.

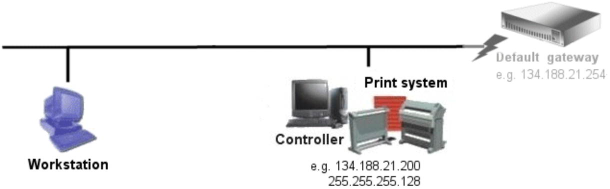
Small Office / Home Office network environment

3 LAN without DNS server but with DHCP server (former SOHO network)



a- If the DHCP server supplies all information (Default Gateway), enable DHCP on the controller.
b- If some information is not supplied, configure the missing TCP/IP addresses manually (e.g. Default Gateway).
c- Enable SMB or NetBios over TCP/IP for Scan to File via SMB.

4 LAN without DNS nor DHCP servers (former SOHO networks, rare)



In case of fixed IP addresses:
a- Disable DHCP and configure all TCP/IP addresses manually.
b- Enable SMB or NetBios over TCP/IP for Scan to File via SMB.

In case of APIPA (Automatic Private IP Addressing - range: 169.254.0.1 - 169.254.255.254 - only on XPe):
a- Configure the missing TCP/IP addresses manually (e.g. Default Gateway).
b- Enable SMB or NetBios over TCP/IP for Scan to File via SMB.

Configure the print system controller

Configure the TCP/IP settings for all Océ TDS/TCS systems except Océ TCS300

According to your network configuration (with or without DHCP), 3 contexts of configuration are possible:

- The DHCP server configures automatically all the TCP/IP settings.
- There is no DHCP server available: configure the TCP/IP settings manually (see procedures below)
- The DHCP server configures the IP address and Subnet mask only. Configure the other settings (TCP/IP, WINS, DNS... parameters) manually.

The following sections explain how to:

- Enable TCP/IP protocol on the network adapter.
- Enable DHCP.
- Setup TCP/IP parameters.
- Configure WINS server address.
- Configure DNS parameters.
- Enable NetBios over TCP/IP (for Océ TCS500 v1.2 and higher, and Océ TDS450 v1.1 and higher)
- Define the host name.

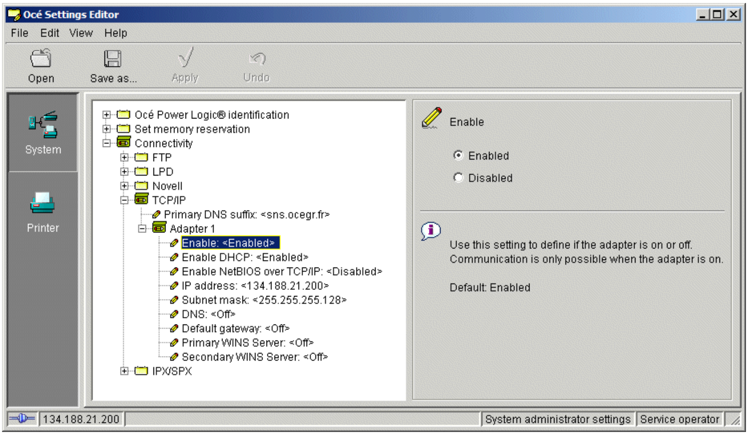
On the Océ PLC controller.

~

Enable TCP/IP Protocol on the network adapter

Note: *you MUST be logged on as a system administrator.*

1 Switch the Océ Settings Editor in SA Mode (see page 263).
2 Expand the ‘Connectivity’ folder.
3 Expand the ‘TCP/IP’ folder.
4 Expand the ‘Adapter_x’ folder (x= the number of the adapter to configure). In our example x=1.
5 Select ‘Enable’ document.
6 Select ‘Enabled’ on the right window (‘Enable’).
7 Click ‘Apply’:



- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
  - Novell
  - TCP/IP
    - Primary DNS suffix: <sns.ocegr.fr>
    - Adapter 1
      - Enable: <Enabled>
      - Enable DHCP: <Enabled>
      - Enable NetBIOS over TCP/IP: <Disabled>
      - IP address: <134.188.21.200>
      - Subnet mask: <255.255.255.128>
      - DNS: <Off>
      - Default gateway: <Off>
      - Primary WINS Server: <Off>
      - Secondary WINS Server: <Off>
  - IPX/SPX

Enable

● Enabled
○ Disabled

Use this setting to define if the adapter is on or off. Communication is only possible when the adapter is on.

Default: Enabled

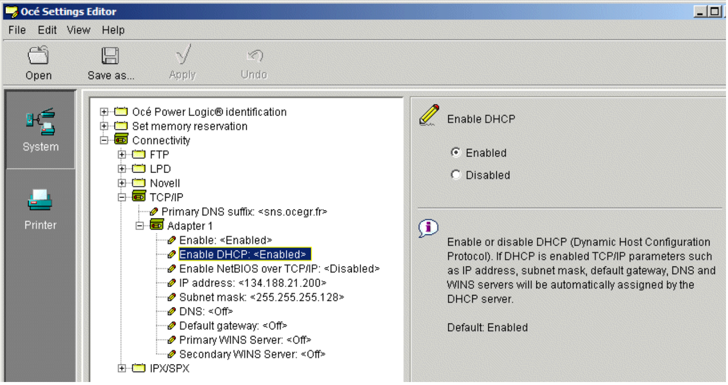
8 You are proposed to reboot the controller: either, click ‘OK’ and continue the other parameters setup, or, once all the setups are done, reboot the controller (see ‘Reboot the controller’ section on page 265).

~ Enable DHCP

Note: *you MUST be logged on as a system administrator.*

Note: *When DHCP is enabled, you cannot configure the TCP/IP and 'Subnet mask' parameters manually on the controller.*

1. Switch the Océ Settings Editor in SA Mode (see page 263).
2. Expand the 'Connectivity' folder.
3. Expand the 'TCP/IP' folder.
4. Expand the 'Adapter_x' folder (x= the number of the adapter to configure) In our case x=1 for Adapter1.
5. Select the 'Enable DHCP' document.
6. Select 'Enabled' on the right window ('Enable DHCP') and click 'Apply'.



- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
  - Novell
  - TCP/IP
    - Primary DNS suffix: <sns.ocegr.fr>
    - Adapter 1
      - Enable: <Enabled>
      - Enable DHCP: <Enabled>
      - Enable NetBIOS over TCP/IP: <Disabled>
      - IP address: <134.188.21.200>
      - Subnet mask: <255.255.255.128>
      - DNS: <Off>
      - Default gateway: <Off>
      - Primary WINS Server: <Off>
      - Secondary WINS Server: <Off>
  - IPX/SPX

Enable DHCP

● Enabled

○ Disabled

Enable or disable DHCP (Dynamic Host Configuration Protocol). If DHCP is enabled TCP/IP parameters such as IP address, subnet mask, default gateway, DNS and WINS servers will be automatically assigned by the DHCP server.

Default: Enabled

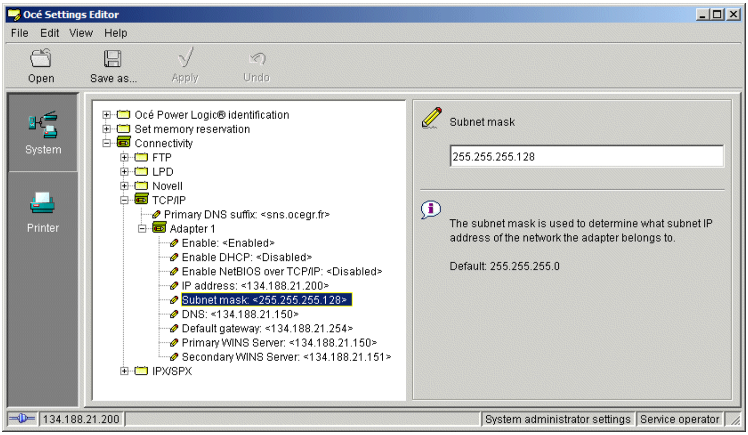
7. You are proposed to reboot the controller: either, click 'OK' and go on with the other parameters setup, or, once all setups are done, reboot the controller 'Reboot the controller' on page 265.

~ Configure TCP/IP parameters (IP address, Subnet mask)

Note: *you MUST be logged on as a system administrator*

Note: *You can configure 'IP address' and 'Subnet mask' manually only if DHCP is disabled.*

1 Switch the Océ Settings Editor in SA Mode (see page 263).
2 Expand the 'Connectivity' folder.
3 Expand the 'TCP/IP' folder.
4 Expand the 'Adapter_x' folder (x= the number of the adapter to configure) x=1 in our example for adapter1.
5 Select 'IP address' document and type in the IP address (e.g. 134.188.21.200) into the input field in the right window.
6 Select the 'Subnet mask' document and type in the Subnet mask (e.g. 255.255.255.128) into the input field in the right window.
7 Click 'Apply'.



- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
  - Novell
  - TCP/IP
    - Primary DNS suffix: <sns.ocegr.fr>
    - Adapter 1
      - Enable: <Enabled>
      - Enable DHCP: <Disabled>
      - Enable NetBIOS over TCP/IP: <Disabled>
      - IP address: <134.188.21.200>
      - Subnet mask: <255.255.255.128>
      - DNS: <134.188.21.150>
      - Default gateway: <134.188.21.254>
      - Primary WINS Server: <134.188.21.150>
      - Secondary WINS Server: <134.188.21.151>
  - IPX/SPX

Subnet mask

255.255.255.128

The subnet mask is used to determine what subnet IP address of the network the adapter belongs to.

Default: 255.255.255.0

134.188.21.200 | System administrator settings | Service operator

8 You are then proposed to reboot the controller: either, click OK and go on with the other parameters setup, or, once all the setups are done, reboot the controller 'Reboot the controller' on page 265.

Note: *According to the Settings Editor version, you can find 'IP mask' instead of 'Subnet mask'.*

~ Configure the Default gateway

Note: *you MUST be logged on as a system administrator.*

Note: *If DHCP is enabled, the Default gateway is automatically assigned and shown as <Off>. If needed, follow the procedure below to change it.*

1 Switch the Océ Settings Editor in SA Mode (see page 263).

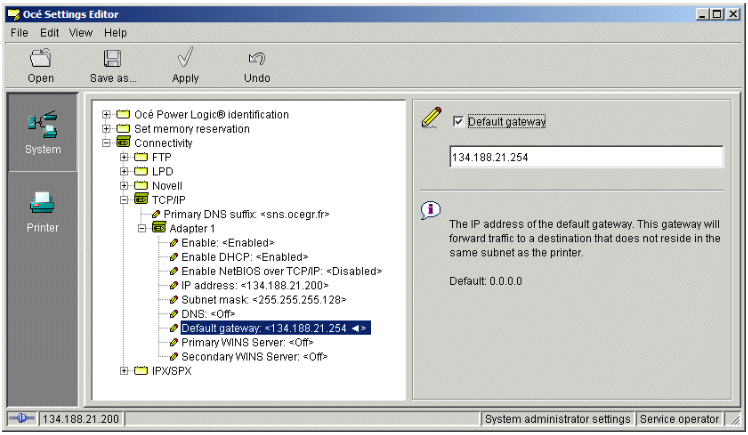
2 Expand the ‘Connectivity’ folder.

3 Expand the ‘TCP/IP’ folder.

4 Expand the ‘Adapter_x’ folder (x= the number of the adapter to configure) x=1 in our example for Adapter1.

5 Select ‘Default gateway’ to display the input field in the right window.

6 Define the Default gateway:
- If DHCP is disabled, type in the Default Gateway (e.g. 134.188.21.254)
- If DHCP is enabled, check the ‘Default gateway’ box to be able to define it manually, and type in the Default Gateway (e.g. 134.188.21.254)



Océ Power Logic® identification
Set memory reservation
Connectivity
FTP
LPD
Novell
TCP/IP
Primary DNS suffix: <sns.ocegr.fr>
Adapter 1
Enable: <Enabled>
Enable DHCP: <Enabled>
Enable NetBIOS over TCP/IP: <Disabled>
IP address: <134.188.21.200>
Subnet mask: <255.255.255.128>
DNS: <Off>
Default gateway: <134.188.21.254 ◄>
Primary WINS Server: <Off>
Secondary WINS Server: <Off>
IPX/SPX

☑ Default gateway

134.188.21.254

The IP address of the default gateway. This gateway will forward traffic to a destination that does not reside in the same subnet as the printer.

Default: 0.0.0.0

134.188.21.200 | System administrator settings | Service operator

7 Click ‘Apply’.You are then proposed to reboot the controller: either, click OK and go on with the other parameters setup, or, once all the setups are done, reboot the controller ‘Reboot the controller’ on page 265.

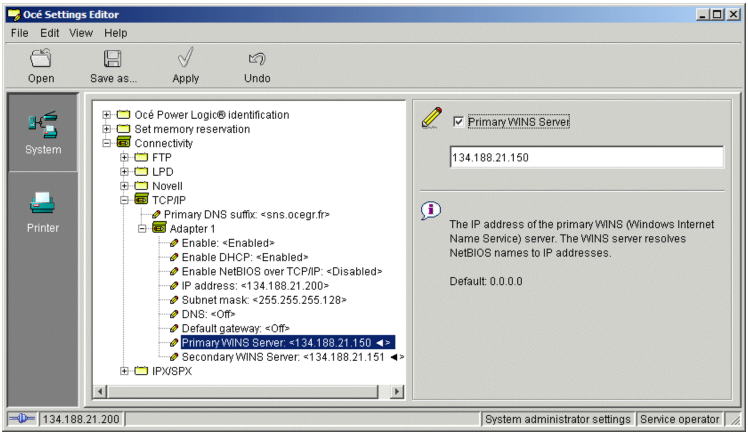
~

Configure the WINS server address

Note: *you MUST be logged on as a system administrator.*

Note: *If DHCP is enabled, the WINS server address is automatically assigned and shown as <Off>. If needed, follow the procedure below to change it.*

1. Switch the Océ Settings Editor in SA Mode (see page 263).
2. Expand the ‘Connectivity’ folder.
3. Expand the ‘TCP/IP’ folder.
4. Expand the ‘Adapter_x’ folder (x= the number of the adapter to configure) x=1 in our example for Adapter1.
5. Select ‘Primary WINS Server’ to display the input field in the right window.
6. Define the ‘Primary WINS Server’:
   - If DHCP is disabled, type in the ‘Primary WINS Server’ address.
   - If DHCP is enabled, check the ‘Primary WINS Server’ box to be able to define it manually, and type in the ‘Primary WINS Server’ address.
7. Select ‘Secondary WINS Server’ document and enter the Secondary WINS Server address in the right window.



```
Océ Power Logic® identification
Set memory reservation
Connectivity
  FTP
  LPD
  Novell
  TCP/IP
    Primary DNS suffix: <sns.ocegr.fr>
    Adapter 1
      Enable: <Enabled>
      Enable DHCP: <Enabled>
      Enable NetBIOS over TCP/IP: <Disabled>
      IP address: <134.188.21.200>
      Subnet mask: <255.255.255.128>
      DNS: <Off>
      Default gateway: <Off>
      Primary WINS Server: <134.188.21.150 ◀>
      Secondary WINS Server: <134.188.21.151 ◀>
  IPX/SPX
```

☑ Primary WINS Server

134.188.21.150

The IP address of the primary WINS (Windows Internet Name Service) server. The WINS server resolves NetBIOS names to IP addresses.

Default: 0.0.0.0

134.188.21.200 | System administrator settings | Service operator

8. Click ‘Apply’.
9. You are then proposed to reboot the controller: either, click OK and go on with the other parameters setup, or, once all the setups are done, reboot the controller ‘Reboot the controller’ on page 265.

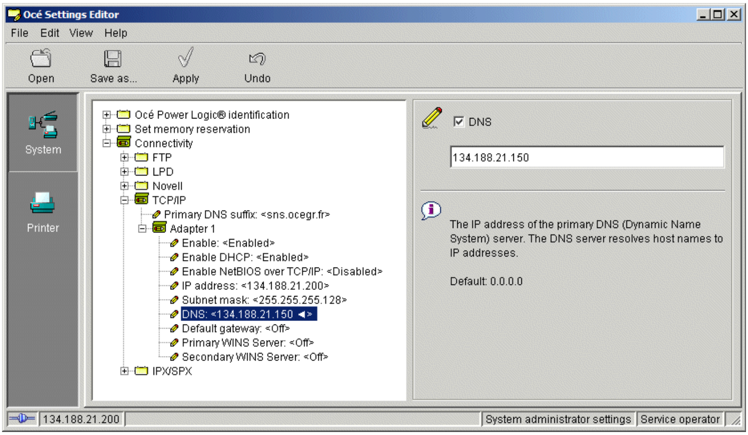
~

Configure DNS parameters (Primary DNS suffix, DNS Server address)

Note: *you MUST be logged on as a system administrator.*

Note: *If DHCP is enabled, the DNS server address is automatically assigned and shown as <Off>. If needed, follow the procedure below to change it.*

1 Switch the Océ Settings Editor in SA Mode (see page 263).
2 Expand the ‘Connectivity’ folder.
3 Expand the ‘TCP/IP’ folder and select ‘Primary DNS suffix’.
4 Enter the Primary DNS suffix in the right window.
5 Expand the ‘Adapter_x’ folder (x= the number of the adapter to configure) x=1 in our example for Adapter1.
6 Select ‘DNS’ to display the input field in the right window.
7 Define the ‘DNS’ server address:
  - If DHCP is disabled, type in the ‘DNS’ address (e.g. 134.188.21.150).
  - If DHCP is enabled, check the ‘DNS’ box to be able to define it manually, and type in the ‘DNS’ address.
8 Click ‘Apply’.



- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
  - Novell
  - TCP/IP
    - Primary DNS suffix: <sns.ocegr.fr>
    - Adapter 1
      - Enable: <Enabled>
      - Enable DHCP: <Enabled>
      - Enable NetBIOS over TCP/IP: <Disabled>
      - IP address: <134.188.21.200>
      - Subnet mask: <255.255.255.128>
      - DNS: <134.188.21.150 ◄>
      - Default gateway: <Off>
      - Primary WINS Server: <Off>
      - Secondary WINS Server: <Off>
  - IPX/SPX

☑ DNS

134.188.21.150

The IP address of the primary DNS (Dynamic Name System) server. The DNS server resolves host names to IP addresses.

Default: 0.0.0.0

134.188.21.200 | System administrator settings | Service operator

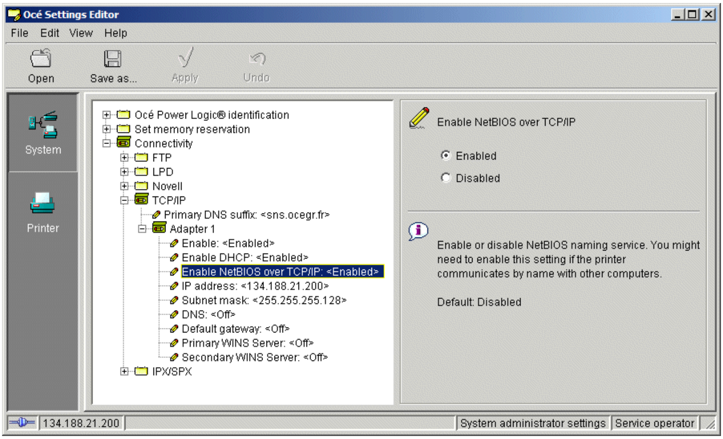
9 You are then proposed to reboot the controller: either, click OK and go on with the other parameters setup, or, once all the setups are done, reboot the controller ‘Reboot the controller’ on page 265.

Note: *According to the Settings Editor version, you can find ‘Domain’ instead of ‘Primary DNS suffix’.*

~ Enable NetBios over TCP/IP (for Océ TCS500 v1.2 and higher, and Océ TDS450 v1.1 and higher)

Note: *you MUST be logged on as a system administrator.*

1 Switch the Océ Settings Editor in SA Mode (see page 263).
2 Expand the ‘Connectivity’ folder.
3 Expand the ‘TCP/IP’ folder.
4 Expand the ‘Adapter_x’ folder (x= the number of the adapter to configure) In our case x=1 for Adapter1.
5 Select ‘Enable NetBios over TCP/IP’.
6 Select ‘Enabled’ on the right window (‘Enable NetBios over TCP/IP’)



- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
  - Novell
  - TCP/IP
    - Primary DNS suffix: <sns.ocegr.fr>
    - Adapter 1
      - Enable: <Enabled>
      - Enable DHCP: <Enabled>
      - Enable NetBIOS over TCP/IP: <Enabled>
      - IP address: <134.188.21.200>
      - Subnet mask: <255.255.255.128>
      - DNS: <Off>
      - Default gateway: <Off>
      - Primary WINS Server: <Off>
      - Secondary WINS Server: <Off>
  - IPX/SPX

Enable NetBIOS over TCP/IP

● Enabled
○ Disabled

Enable or disable NetBIOS naming service. You might need to enable this setting if the printer communicates by name with other computers.

Default: Disabled

134.188.21.200 | System administrator settings | Service operator

7 Click ‘Apply’.

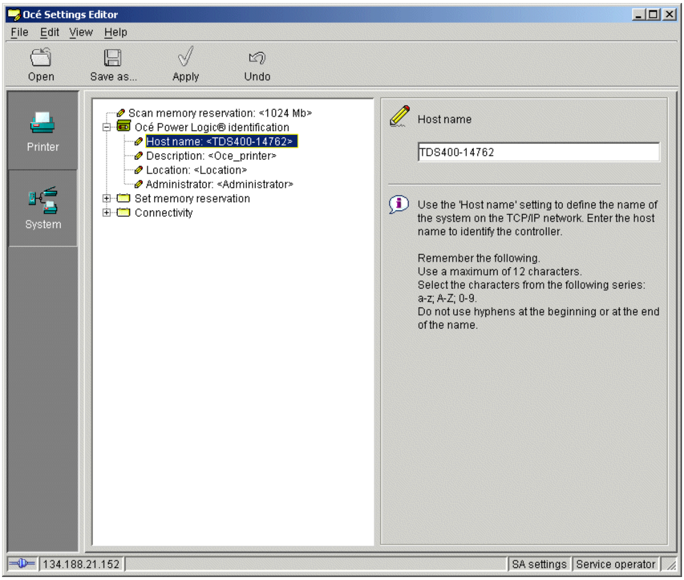
~

Define the Océ TDS/TCS host name

Note: *you MUST be logged on as a system administrator.*

Note: *The host name is needed to create the LPR port or to configure the SMB connection.*

1 Switch the Océ Settings Editor in SA Mode (see ‘Switch the Océ Settings Editor in SA Mode’ section on page 263).
2 Expand the ‘Océ Power Logic ® Identification’ folder.
3 Select ‘Host name’.
4 Type in the new Host name in the input field.
5 Click ‘Apply’.



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Host name: <TDS400-14762>
Description: <Oce_printer>
Location: <Location>
Administrator: <Administrator>

Set memory reservation
Connectivity

Host name

TDS400-14762

Use the 'Host name' setting to define the name of the system on the TCP/IP network. Enter the host name to identify the controller.

Remember the following.
Use a maximum of 12 characters.
Select the characters from the following series:
a-z; A-Z; 0-9.
Do not use hyphens at the beginning or at the end of the name.

134.188.21.152 | SA settings | Service operator

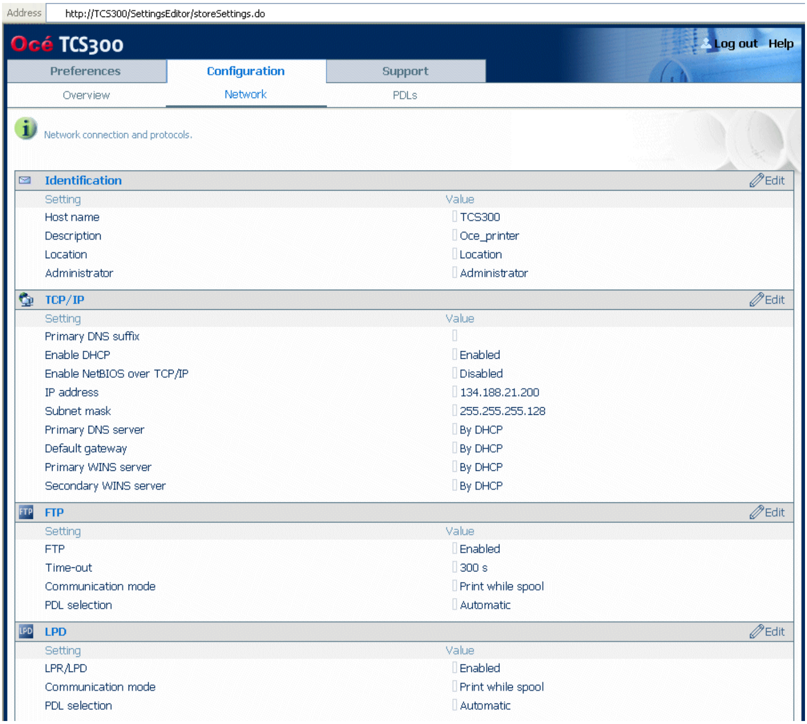
6 You are proposed to reboot the controller: click ‘OK’ and either go on with the other parameters setup, or, once all setups are done, reboot the controller (see ‘Reboot the controller’ section on page 265).

Configure the Océ TCS300 settings for integration in a network

Océ TCS300 is a printer system with no screen nor SMB printing protocol, that can be integrated in different customer network environment.

When the Océ TCS300 is plugged to the network, only a few network settings are available on the Printer Control Panel through the ‘Configure system wizard’:
- DHCP setting
- DNS setting
- WINS settings
- IP address
- IP subnet mask
- Gateway address

By default the Océ TCS300 has the following Network environment:
- DHCP is enabled
- NetBios over TCP/IP is disabled



Network connection and protocols.

Identification

Setting	Value
Host name	TCS300
Description	Oce_printer
Location	Location
Administrator	Administrator

TCP/IP

Setting	Value
Primary DNS suffix	
Enable DHCP	Enabled
Enable NetBIOS over TCP/IP	Disabled
IP address	134.188.21.200
Subnet mask	255.255.255.128
Primary DNS server	By DHCP
Default gateway	By DHCP
Primary WINS server	By DHCP
Secondary WINS server	By DHCP

FTP

Setting	Value
FTP	Enabled
Time-out	300 s
Communication mode	Print while spool
PDL selection	Automatic

LPD

Setting	Value
LPR/LPD	Enabled
Communication mode	Print while spool
PDL selection	Automatic

[1] View of the Océ TCS300 Settings Editor

Océ TCS300 integration in an Enterprise Network environment (with DNS server / with or without a DHCP server)

See the 2 Enterprise Network environments described in ‘Enterprise network environment’ section on page 19.

Such environments can be either:
- **with** a **DNS** server and **with** a **DHCP** server (#1), or
- **with** a **DNS** server and **without** a **DHCP** server (#2).

In both cases, Océ TCS300 has been declared in the infrastructure with:
- a Hostname
- an IP address.

~ **Integrate the Océ TCS300 in an enterprise network**

1 Connect the Océ TCS300 to the network, and power ON it.

2 On the Printer Control Panel, enter in the ‘Configure System’ menu and select ‘Network settings adapter 1’ (See the ‘Océ TCS300 user Manual’)

3 Check the current network settings and update them if necessary:
- If IP address corresponds to the IP address declared in the IT infrastructure, this means the Océ TCS300 has been recognized in the network infrastructure.
  Check also the other network parameters and update them if necessary.
- If IP address does not correspond, you have to configure all the network parameters on the Printer control panel using the ‘Configure System’ wizard.

Note: *After an update of network settings, you may be invited to reboot the Océ Power Logic controller.*

4 Once network settings seen on the printer Control Panel comply with the network infrastructure, open a web browser on a client workstation and enter the following URL to access the Océ Settings Editor:
http://<*TCS300 IP-ADDRESS*>

5 Within the Océ Settings Editor, you can configure the other settings. Configure the ‘hostname’ in order to be able to address the Océ TCS300 with its hostname rather than its IP address (since it is more convenient, and independent from any IP address change).

6 Open a web browser and check whether you can access the Océ Settings Editor from a client workstation using the hostname:
http://<*TCS300 HOSTNAME*>
You can now use the hostname to address the TCS300 for printing.

Océ TCS300 integration in an Small Office / Home Office Network environment (without DNS server / with or without DHCP server)

See the 2 SOHO Network environments described in ‘Small Office / Home Office network environment’ section on page 20.

Such environments can be either:
- **without** a **DNS** server and **with** a **DHCP** server (#3), or
- **without** a **DNS** server and **without** a **DHCP** server (#4).

The TCS300 may not have been declared in the infrastructure. Nevertheless, it is recommended to define the hostname.
In this context, the IP address is not necessarily known.

~ **Integrate the Océ TCS300 in a SOHO network**

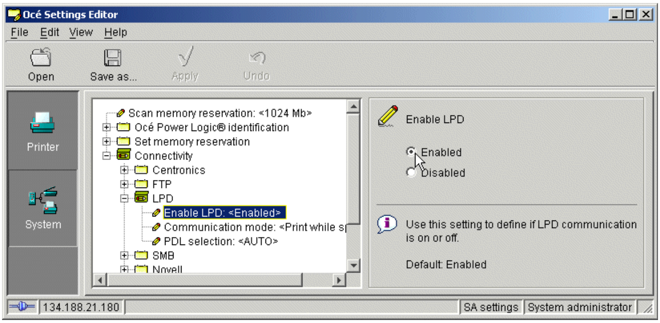
1. Connect the Océ TCS300 to the network, and power ON it.
2. On the Printer Control Panel, enter in the ‘Configure System’ menu and select ‘Network settings adapter 1’ (See the ‘Océ TCS300 user Manual’)
3. Check the current IP address:
   - If IP address is part of the following range: 169.254.0.1 - 169.254.255.254 Océ TCS300 was not able to contact a DHCP server.
     So an APIPA network address has been setup automatically on Océ TCS300.
   - If IP address is NOT part of the range: 169.254.0.1 - 169.254.255.254, this means that a DHCP server is in place.
     Check if IP address is part of the IP address range defined in the DHCP server.
4. Note the IP address.
5. Open a web browser on a client workstation and enter the following URL to access the Océ Settings Editor:
   http://<*IP-ADDRESS*>
6. Within the Océ Settings Editor, configure the other network settings.
   - Configure the ‘Hostname’ in order to be able to address the Océ TCS300 with its hostname rather than its IP address (since it is more convenient, and independent from any IP address change).
   - Enable the ‘NetBios over TCP/IP’ setting, when there is no DNS server on the network, in order to use the hostname from a client workstation (after a while).
7. Open a web browser and check whether you can access the Océ Settings Editor from a client workstation using the hostname:
   http://<*TCS300 HOSTNAME*>
   You can now use the hostname to address the TCS300 for printing.

Enable LPR protocol

~ **Enable LPR Protocol for all Océ TDS/TCS systems except Océ TCS300**

Note: *you MUST be logged on as a system administrator.*

1 Switch the Océ Settings Editor in SA Mode (see page 263).
2 Expand the ‘Connectivity’ Folder.
3 Expand the ‘LPD’ folder and select the ‘Enable LPD’ document.
4 Select ‘Enabled’ on the right window (‘Enable LPD’) and click ‘Apply’.



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
  Centronics
  FTP
  LPD
    Enable LPD: <Enabled>
    Communication mode: <Print while s
    PDL selection: <AUTO>
  SMB
  Novell

Enable LPD

● Enabled
○ Disabled

Use this setting to define if LPD communication is on or off.

Default: Enabled

134.188.21.180 | SA settings | System administrator

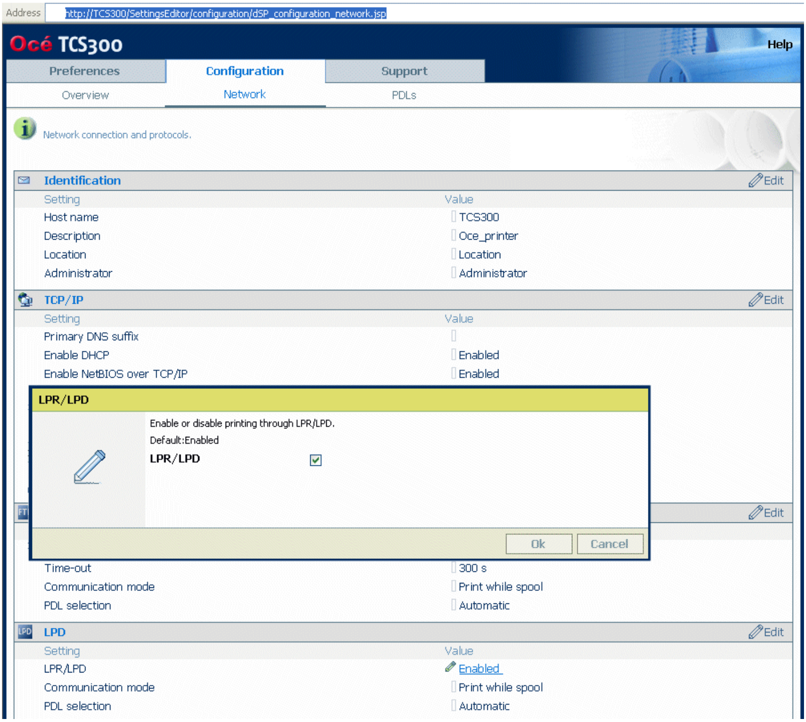
5 You are then proposed to reboot the controller: either, click OK and go on with the other parameters setup, or, once all the setups are done, reboot the controller ‘Reboot the controller’ on page 265.

~

Enable LPR Protocol for Océ TCS300

Note: *The LPR protocol is enabled by default for the TCS300.*

1. From a client workstation, open a web browser and access the Océ TCS300 Settings Editor (http://<*TCS300 HOSTNAME*> - see 'Configure the Océ TCS300 settings for integration in a network' section on page 30).
2. On the 'Configuration' tab, select 'Network'.
3. On the 'LPD' section / 'LPR/LPD' setting, click on 'Disabled' to access the administration interface.
4. Log on as a System Administrator to open the LPR window.
5. Enable the LPR/LPD setting and validate.



http://TCS300/SettingsEditor/configuration/dSP_configuration_network.jsp

Network connection and protocols.

Identification

Setting	Value
Host name	TCS300
Description	Oce_printer
Location	Location
Administrator	Administrator

TCP/IP

Setting	Value
Primary DNS suffix	
Enable DHCP	Enabled
Enable NetBIOS over TCP/IP	Enabled

LPR/LPD

Enable or disable printing through LPR/LPD.

Default:Enabled

LPR/LPD ☑

Time-out	300 s
Communication mode	Print while spool
PDL selection	Automatic

LPD

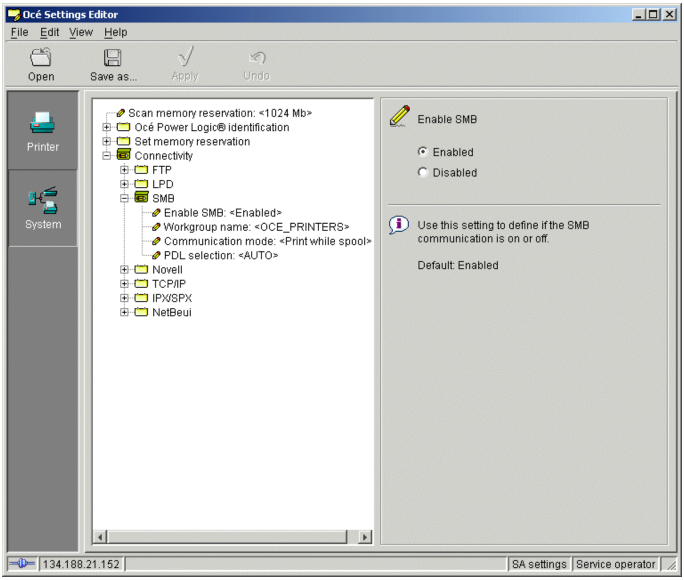
Setting	Value
LPR/LPD	Enabled
Communication mode	Print while spool
PDL selection	Automatic

Configure the SMB settings (for all Océ TDS/TCS systems except Océ TCS300, Océ TCS500 v1.2 and higher, and Océ TDS450)

~ **Enable SMB printing protocol**

Note: *you MUST be logged on as a system administrator.*

1. Switch the Océ Settings Editor in SA Mode (see ‘Switch the Océ Settings Editor in SA Mode’ section on page 263).
2. Expand the ‘Connectivity’ folder.
3. Expand the ‘SMB’ folder.
4. Select ‘Enable SMB’.
5. Select ‘Enabled’ on the right window (‘Enable SMB’).
6. Click ‘Apply’.



- Scan memory reservation: <1024 Mb>
- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
  - SMB
    - Enable SMB: <Enabled>
    - Workgroup name: <OCE_PRINTERS>
    - Communication mode: <Print while spool>
    - PDL selection: <AUTO>
  - Novell
  - TCP/IP
  - IPX/SPX
  - NetBeui

Enable SMB

● Enabled

○ Disabled

Use this setting to define if the SMB communication is on or off.

Default: Enabled

134.188.21.152

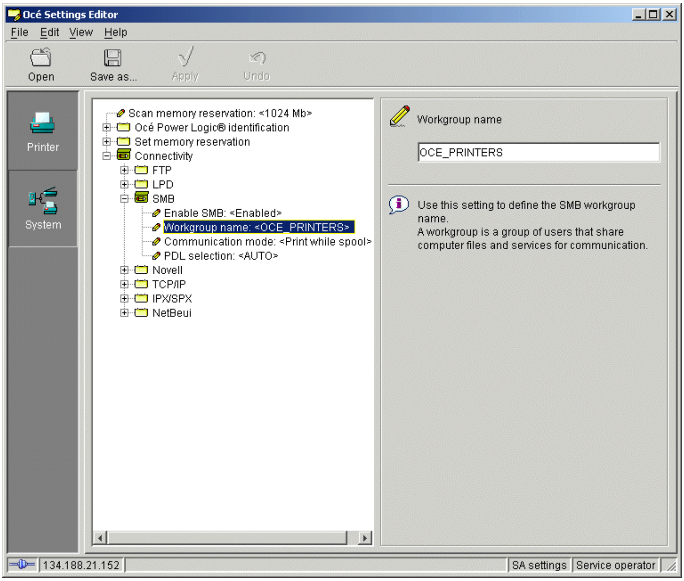
7. You are proposed to reboot the controller: click ‘OK’ and either go on with the other parameters setup, or, once all the setups are done, reboot the controller (see ‘Reboot the controller’ section on page 265).

~

Set up the SMB workgroup name

Note: *you MUST be logged on as a system administrator.*

1 Switch the Océ Settings Editor in SA Mode (see‘Switch the Océ Settings Editor in SA Mode’ section on page 263).
2 Expand the ‘Connectivity’ folder.
3 Expand the ‘SMB’ folder.
4 Select ‘Workgroup name’.
5 Type in the new workgroup name in the input field.
Note: *This field is mandatory. You must fill it in, otherwise the controller will continuously reboot.*
6 Click ‘Apply’.



- Scan memory reservation: <1024 Mb>
- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
  - SMB
    - Enable SMB: <Enabled>
    - Workgroup name: <OCE_PRINTERS>
    - Communication mode: <Print while spool>
    - PDL selection: <AUTO>
  - Novell
  - TCP/IP
  - IPX/SPX
  - NetBeui

Workgroup name

OCE_PRINTERS

Use this setting to define the SMB workgroup name.
A workgroup is a group of users that share computer files and services for communication.

134.188.21.152

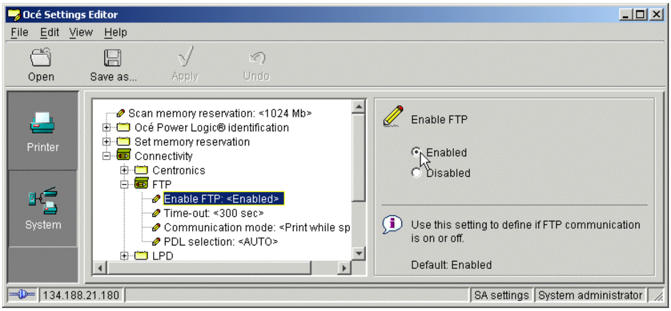
7 You are proposed to reboot the controller: click ‘OK’ and either go on with the other parameters setup, or, once all setups are done, reboot the controller (see ‘Reboot the controller’ section on page 265).

Enable FTP protocol

~ **Enable FTP Protocol for all Océ TDS/TCS systems except Océ TCS300**

Note: *you MUST be logged on as a system administrator.*

1. Switch the Océ Settings Editor in SA Mode (see page 263).
2. Expand the ‘Connectivity’ folder.
3. Expand the ‘FTP’ folder and select the ‘Enable FTP’ document.
4. Select ‘Enabled’ on the right window (‘Enable FTP’) and click ‘Apply’.



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
- Centronics
- FTP
  - Enable FTP: <Enabled>
  - Time-out: <300 sec>
  - Communication mode: <Print while sp
  - PDL selection: <AUTO>
- LPD

Enable FTP

● Enabled
○ Disabled

Use this setting to define if FTP communication is on or off.

Default: Enabled

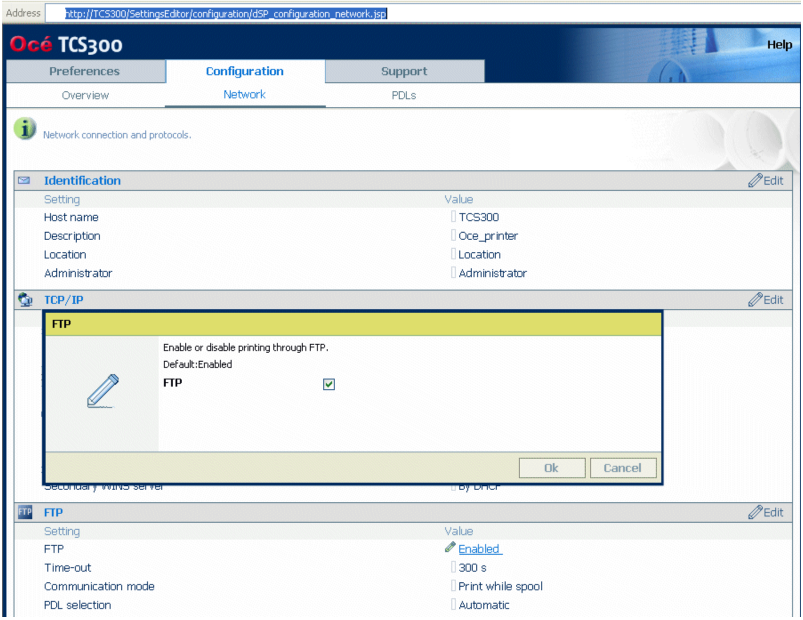
134.188.21.180 | SA settings | System administrator

5. You are proposed to reboot the controller: either, click OK and go on with the other parameters setup, or, once all the setups are done, reboot the controller ‘Reboot the controller’ on page 265.

~ Enable FTP Protocol for Océ TCS300

Note: *The FTP protocol is enabled by default for the TCS300.*

1. From a client workstation, open a web browser and access the Océ TCS300 Settings Editor (http://<*TCS300 HOSTNAME*> - see ‘Configure the Océ TCS300 settings for integration in a network’ section on page 30).
2. On the ‘Configuration’ tab, select ‘Network’.
3. On the ‘FTP’ section / ‘FTP’ setting, click on ‘Disabled’ to access the administration interface.
4. Log on as a System Administrator to open the FTP window.
5. Enable the FTP setting and validate.



http://TCS300/SettingsEditor/configuration/dSP_configuration_network.jsp

Network connection and protocols.

Identification

Setting	Value
Host name	TCS300
Description	Oce_printer
Location	Location
Administrator	Administrator

TCP/IP

Setting	Value
Secondary WINS server	By DHCP

FTP

Enable or disable printing through FTP.
Default:Enabled
FTP ☑

FTP

Setting	Value
FTP	Enabled
Time-out	300 s
Communication mode	Print while spool
PDL selection	Automatic

Print server configuration in a Client/Server architecture (under Windows NT/2000/XP/Server 2003)

The two following sections describe how to setup an Océ TDS/TCS Print Server and a associated workstation, in a Client/Server configuration.

In this configuration, printer data are sent twice on the network:

- From the user workstation to the Print Server workstation.
- From the Print Server workstation to the Océ TDS/TCS printer controller.

Note: *You MUST be logged on as a system administrator to perform these operations on the print server.*

Updates You can update the drivers locally on the Print Server by getting the updates from the Océ web site.

Administration On the Print Server, you can fully administrate the Océ TDS/TCS Printer Resource.

Media Setup On the Print Server, you can fully administrate the Océ TDS/TCS Printer Media.

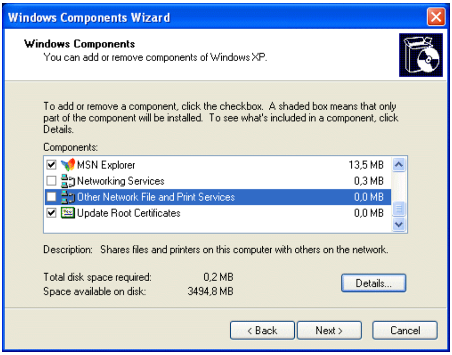
Document Setup On the Print Server, you can fully administrate the Océ TDS/TCS Printer Document Format.

Add and configure LPR printing protocol (for Windows 2000/XP/Server 2003 only)

For performance reasons, we strongly recommend to use under Windows 2000/XP/Server 2003 LPR port instead of TCP/IP port. By default, after a Windows installation, only Standard TCP/IP port is available, and not LPR port. Therefore first check if LPR protocol is installed and if not, see the following procedures to add LPR port.

~ Add LPR printing protocol under Windows 2000/XP/Server 2003

1. From the Windows ‘Start’ menu, select ‘Settings’ and ‘Control Panel’.
2. Select ‘Add/Remove Programs’ and ‘Add/Remove Windows Components’:



Windows Components
You can add or remove components of Windows XP.

To add or remove a component, click the checkbox. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.

Components:

☑ MSN Explorer 13,5 MB
☐ Networking Services 0,3 MB
☐ Other Network File and Print Services 0,0 MB
☑ Update Root Certificates 0,0 MB

Description: Shares files and printers on this computer with others on the network.

Total disk space required: 0,2 MB
Space available on disk: 3494,8 MB

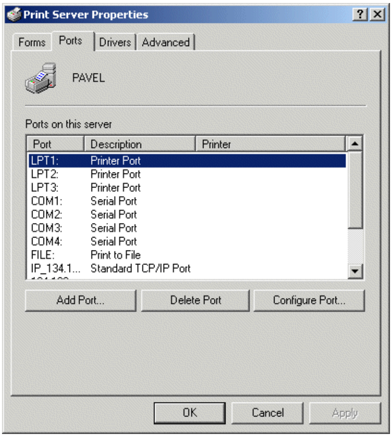
[2] Windows Components Wizard under Windows XP

3. Highlight ‘Other Network File and Print Services’ (do not check it) and click ‘Details’.
4. Select ‘Print services for Unix’. Click ‘OK’ and ‘Next’.
5. You may be prompted for Windows installation CD.
6. Click ‘Finish’. No reboot is required.

~ Create LPR port

1. From the Windows ‘Start’ menu, select ‘Settings’, ‘Printers/Printers and faxes’.
2. Click ‘File/Server Properties’.

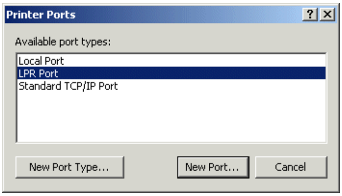
3 In the ‘Print Server Properties’ window, select the ‘Ports’ tab.



Ports on this server

Port	Description	Printer
LPT1:	Printer Port	
LPT2:	Printer Port	
LPT3:	Printer Port	
COM1:	Serial Port	
COM2:	Serial Port	
COM3:	Serial Port	
COM4:	Serial Port	
FILE:	Print to File	
IP_134.1...	Standard TCP/IP Port	

4 Click ‘Add port...’ to open the ‘Printer Ports’ window.



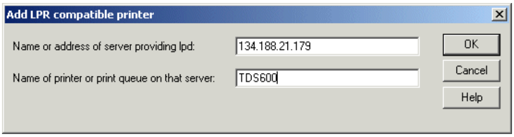
Available port types:

- Local Port
- LPR Port
- Standard TCP/IP Port

5 Select ‘LPR Port’ and click ‘New Port...’.

Note: *If LPR port is not present, see ‘Add LPR printing protocol under Windows 2000/XP/Server 2003’ section on page 40.*

6 Enter the Océ TDS/TCS printer IP address or host name in the first field, and the print queue name (any alphanumerical name) in the second field:



Name or address of server providing lpd: 134.188.21.179

Name of printer or print queue on that server: TDS600

Note: *If DHCP is enabled on the Océ TDS/TCS printer (see ‘Enable DHCP’ section on page 23), an IP address may be dynamically assigned. Then it is recommended to use the Océ TDS/TCS host name to be prevented from any IP address change (see ‘Define the Océ TDS/TCS host name’ section on page 29).*

Note: *If the Océ TDS/TCS host name is used, make sure that this name can be resolved via DNS or WINS or that ‘NetBios over TCP/IP’ setting is enabled (for TDS/TCS systems supporting this setting).*

7 Click ‘OK’ and twice ‘Close’.

Install the print server (using the LPR printing protocol)

Before you start

- Under Windows 2000 and XP/Server 2003, make sure the LPR protocol is installed (see ‘Add and configure LPR printing protocol (for Windows 2000/XP/Server 2003 only)’ section on page 40).
- Make sure that LPR port corresponding to your Océ printer is created (see ‘Create LPR port’ on page 40).
- Make sure the driver you are about to install can be combined with your printer and Operating System. (see the ‘Compatibility matrix’ on page 11).

Install Windows Printer Driver and PostScript 3 Driver on the print server

~

Install WPD or PS3 for an Océ TDS/TCS printer

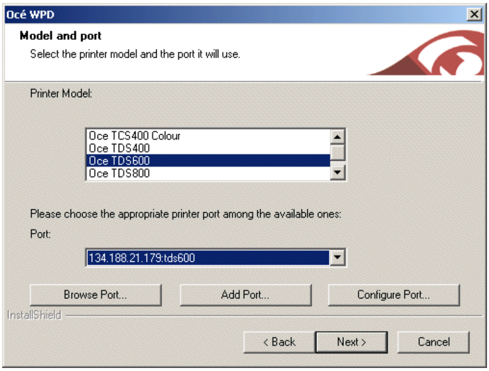
1 According to the way you get the driver installation files:
- In the Windows Explorer, browse to locate the directory where the Océ Windows Printer Driver or PostScript 3 distribution is located and double-click ‘Setup.exe’.
- Insert the Driver Pack CD and launch the WPD or PS3 installation for your printer.

2 Select the setup language. The installer is launched.

3 Click ‘Next’ and ‘Yes’ to accept the license agreement.
Note: *The Read me file is displayed for WPD. Read the information then close the file to continue the installation.*

4 Choose your language and click ‘Next’.

5 Select your model and the LPR port previously created, then click ‘Next’.



Océ WPD

Model and port

Select the printer model and the port it will use.

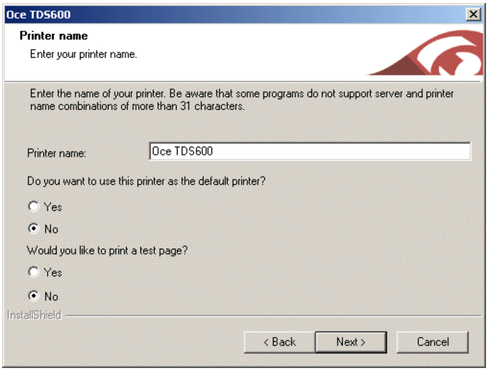
Printer Model:

Oce TCS400 Colour
Oce TDS400
Oce TDS600
Oce TDS800

Please choose the appropriate printer port among the available ones:

Port: 134.188.21.179:tds600

6 Name the printer and click ‘Next’.



Printer name

Enter your printer name.

Enter the name of your printer. Be aware that some programs do not support server and printer name combinations of more than 31 characters.

Printer name: Oce TDS600

Do you want to use this printer as the default printer?

○ Yes

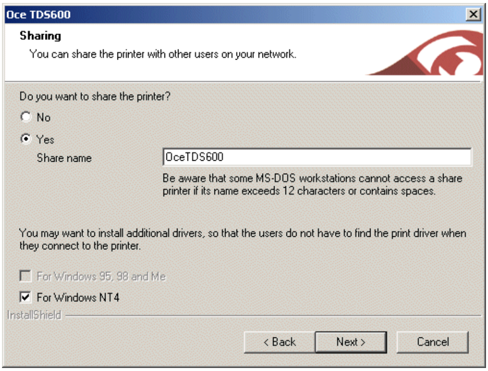
● No

Would you like to print a test page?

○ Yes

● No

7 In the ‘Sharing’ window, click ‘Yes’ to share the printer and define a share name. Check the boxes for additional drivers if you need to connect to the print server several workstations running under different operating systems (e.g. Windows NT).



Sharing

You can share the printer with other users on your network.

Do you want to share the printer?

○ No

● Yes

Share name OceTDS600

Be aware that some MS-DOS workstations cannot access a share printer if its name exceeds 12 characters or contains spaces.

You may want to install additional drivers, so that the users do not have to find the print driver when they connect to the printer.

☐ For Windows 95, 98 and Me

☑ For Windows NT4

8 Click ‘Next’. Files are copied on your system.

9 Click ‘Finish’.

Windows Raster Driver installation on the print server

Note: *At the moment when this version of Connectivity Manual has been prepared for edition, compatibility of WRD3 and Windows Server 2003 is not yet confirmed. Please consult the Océ website (www.oce.com) to know the current status.*

~ Install WRD3 for an Océ TDS/TCS printer

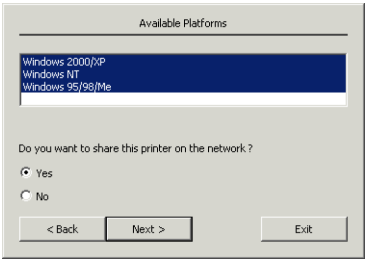
1 According to the way you get the driver installation files:
- In the Windows Explorer, browse to locate the directory where Océ WRD3 distribution is located and double-click ‘Setup.exe’.
- Insert the Driver Pack CD and launch the WRD3 installation for your printer.

2 When the installer is launched, select your language.

3 In the ‘End User License Agreement’ window, check the ‘I accept...’ box and click ‘Next’.

4 Select your printer model.

5 Check ‘Yes’ to share the printer and select the platform(s) you want to share the print server with.



Available Platforms

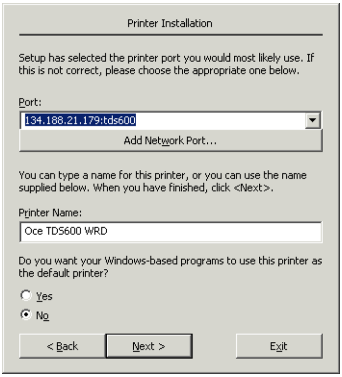
Windows 2000/XP
Windows NT
Windows 95/98/Me

Do you want to share this printer on the network ?

● Yes
○ No

6 Click ‘Next’.

7 Select the LPR port previously created and enter the printer name.



Printer Installation

Setup has selected the printer port you would most likely use. If this is not correct, please choose the appropriate one below.

Port: 134.188.21.179:tds600

You can type a name for this printer, or you can use the name supplied below. When you have finished, click <Next>.

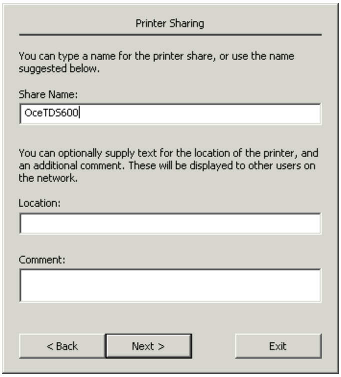
Printer Name: Oce TDS600 WRD

Do you want your Windows-based programs to use this printer as the default printer?

○ Yes
● No

8 Click ‘Next’.

9 Give a share name to your printer (and fill the ‘Location’ and ‘Comment’ fields if needed).



Printer Sharing

You can type a name for the printer share, or use the name suggested below.

Share Name: OceTDS600

You can optionally supply text for the location of the printer, and an additional comment. These will be displayed to other users on the network.

Location:

Comment:

10 Click ‘Next’ and ‘Finish’ to complete the installation.

11 Restart your computer if needed.

Client configuration in a Client/Server architecture (all systems)

This section describes how to setup a client workstation in order to use the Océ TDS/TCS printer resource on a network via the TCP/IP protocol in a Client/Server configuration.

The detailed installation process of each Océ driver is described in the associated User Manual or Installation Guide (available on www.oce.com).

Note: *You MUST be logged on as a system administrator to perform these operations on the client workstation.*

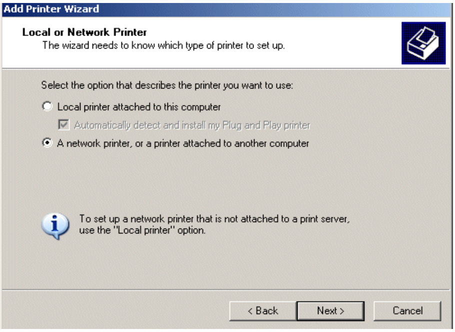
SMB Point-to-print

Before you start, make sure the driver you are about to install can be combined with your printer and Operating System (see the 'Compatibility matrix' on page 11).

~ **Install a printer**

Note: *The procedure to install a printer in a SMB point-to-print configuration is the same for every Windows operating system. The example below describes it under an XP platform.*

1. From the 'Start/Settings' menu open the 'Printers and faxes' windows.
2. Click 'Add a printer' to launch the 'Add Printer Wizard'.
3. Click 'Next'.
4. Select 'A network printer...' and click 'Next':



Add Printer Wizard

Local or Network Printer

The wizard needs to know which type of printer to set up.

Select the option that describes the printer you want to use:

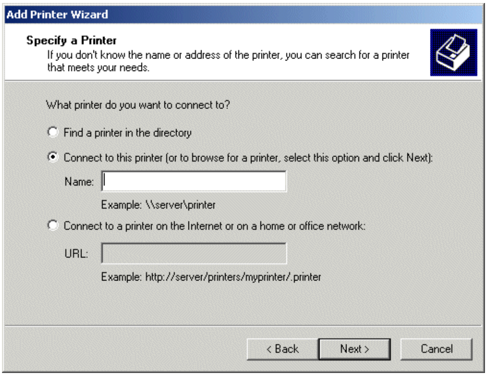
○ Local printer attached to this computer

☑ Automatically detect and install my Plug and Play printer

● A network printer, or a printer attached to another computer

To set up a network printer that is not attached to a print server, use the "Local printer" option.

5 Select ‘Connect to this printer’ and enter the printer share name or click ‘Next’ to browse for the printer on the network:



Add Printer Wizard

Specify a Printer

If you don't know the name or address of the printer, you can search for a printer that meets your needs.

What printer do you want to connect to?

○ Find a printer in the directory

● Connect to this printer (or to browse for a printer, select this option and click Next):

Name:

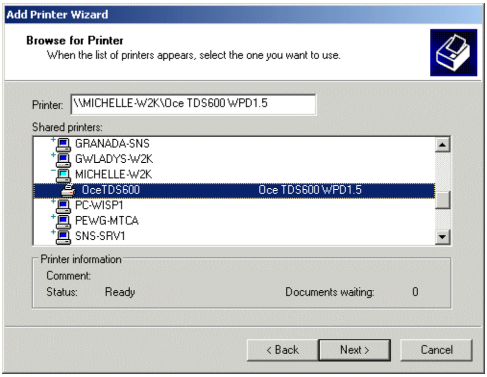
Example: \\server\printer

○ Connect to a printer on the Internet or on a home or office network:

URL:

Example: http://server/printers/myprinter/.printer

6 Select the print server and then select the printer:



Add Printer Wizard

Browse for Printer

When the list of printers appears, select the one you want to use.

Printer: \\MICHELLE-W2K\Oce TDS600 WPD1.5

Shared printers:

- GRANADA-SNS
- GWLADYS-W2K
- MICHELLE-W2K
  - OceTDS600 Oce TDS600 WPD1.5
- PC-WISP1
- PEWG-MTCA
- SNS-SRV1

Printer information

Comment:

Status: Ready

Documents waiting: 0

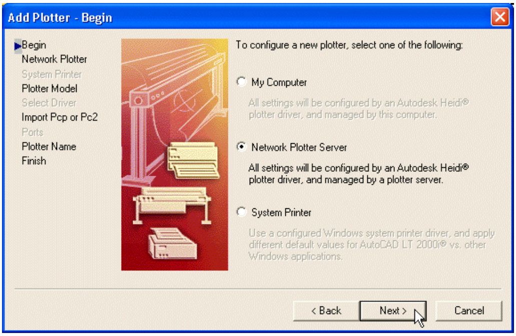
7 Click ‘Finish’ to complete the installation.

Print from AutoCAD® (2000,2000i, 2002)

Note: *Make sure you installed the latest version of HDI or WPD driver (see 'Drivers, Downloads and Support' section on http://www.oce.com).*

~ Connect to an Océ TDS/TCS printer with the AutoCAD HDI driver

1 From the AutoCAD menu, select 'FILE / PLOTTER MANAGER'.
2 Double-click 'Add-A-Plotter Wizard' and click 'Next'.
3 Click 'Network Plotter Server'.



To configure a new plotter, select one of the following:

○ My Computer

All settings will be configured by an Autodesk Heidi® plotter driver, and managed by this computer.

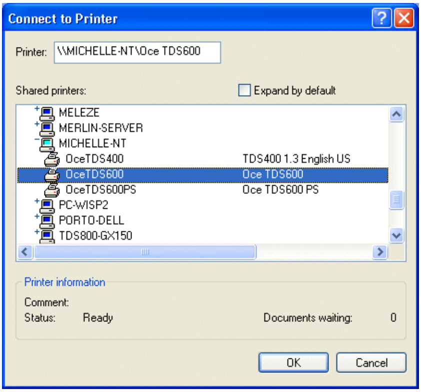
● Network Plotter Server

All settings will be configured by an Autodesk Heidi® plotter driver, and managed by a plotter server.

○ System Printer

Use a configured Windows system printer driver, and apply different default values for AutoCAD LT 2000i® vs. other Windows applications.

4 Click 'Next'.
5 Click 'Browse'.
6 Browse the network to locate the station where the TDS/TCS to address is connected to.

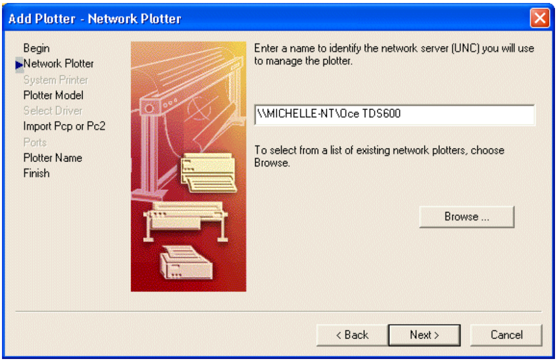


Printer: \\MICHELLE-NT\Oce TDS600

OceTDS400	TDS400 1.3 English US
OceTDS600	Oce TDS600
OceTDS600PS	Oce TDS600 PS

Comment:
Status: Ready
Documents waiting: 0

7 Select the printer queue and click ‘OK’.



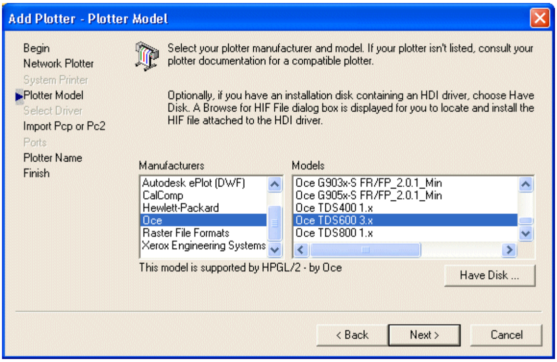
Enter a name to identify the network server (UNC) you will use to manage the plotter.

\\MICHELLE-NT\Oce TDS600

To select from a list of existing network plotters, choose Browse.

8 Click ‘Next’.

9 Select ‘Oce’ in the ‘Manufacturers’ list and your Océ printer in the ‘Models’ list and click ‘Next’.



Select your plotter manufacturer and model. If your plotter isn't listed, consult your plotter documentation for a compatible plotter.

Optionally, if you have an installation disk containing an HDI driver, choose Have Disk. A Browse for HIF File dialog box is displayed for you to locate and install the HIF file attached to the HDI driver.

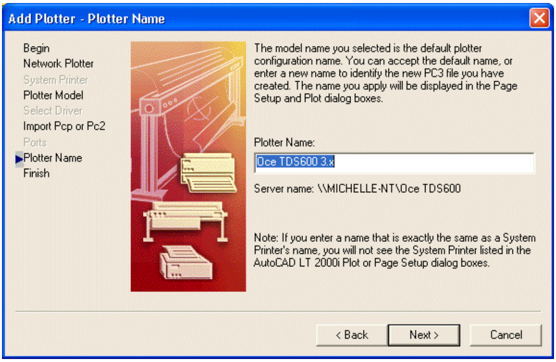
Manufacturers: Oce

Models: Oce TDS600 3.x

This model is supported by HPGL/2 - by Oce

10 Click ‘Next’.

11 Enter a new plotter name.



The model name you selected is the default plotter configuration name. You can accept the default name, or enter a new name to identify the new PC3 file you have created. The name you apply will be displayed in the Page Setup and Plot dialog boxes.

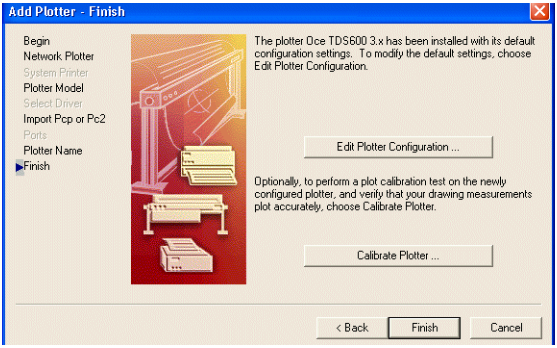
Plotter Name: Oce TDS600 3.x

Server name: \\MICHELLE-NT\Oce TDS600

Note: If you enter a name that is exactly the same as a System Printer's name, you will not see the System Printer listed in the AutoCAD LT 2000i Plot or Page Setup dialog boxes.

12 Click ‘Next’.

13 Click ‘Edit Plotter Configuration’.

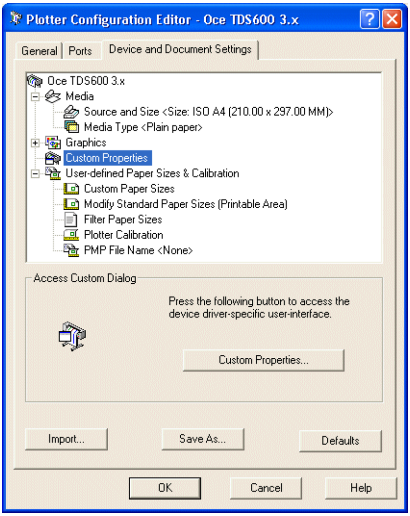


The plotter Oce TDS600 3.x has been installed with its default configuration settings. To modify the default settings, choose Edit Plotter Configuration.

Optionally, to perform a plot calibration test on the newly configured plotter, and verify that your drawing measurements plot accurately, choose Calibrate Plotter.

14 Click ‘Custom Properties’.

15 Click the ‘Custom Properties’ button.



Oce TDS600 3.x
- Media
  - Source and Size <Size: ISO A4 (210.00 x 297.00 MM)>
  - Media Type <Plain paper>
- Graphics
- Custom Properties
- User-defined Paper Sizes & Calibration
  - Custom Paper Sizes
  - Modify Standard Paper Sizes (Printable Area)
  - Filter Paper Sizes
  - Plotter Calibration
  - PMP File Name <None>

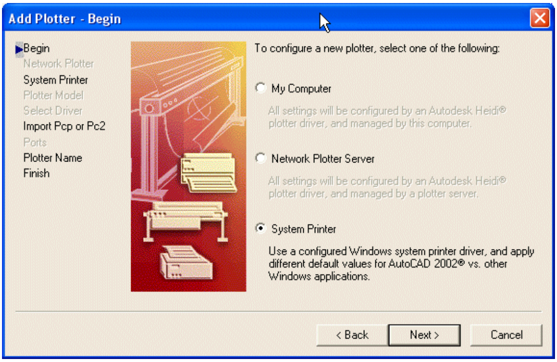
Press the following button to access the device driver-specific user-interface.

16 Setup the printer parameters as needed.

17 Click ‘OK’ twice and ‘Finish’.

~ Connect to an Océ TDS/TCS printer with the system WPD driver (all OS)

1 In the AutoCAD menu, select 'FILE / PLOTTER MANAGER'.
2 Double-click 'Add-A-Plotter Wizard'.
3 Click 'Next'.
4 Select 'System Printer'.



To configure a new plotter, select one of the following:

○ My Computer

All settings will be configured by an Autodesk Heidi® plotter driver, and managed by this computer.

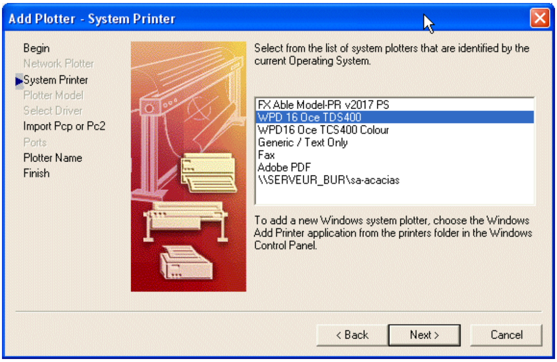
○ Network Plotter Server

All settings will be configured by an Autodesk Heidi® plotter driver, and managed by a plotter server.

● System Printer

Use a configured Windows system printer driver, and apply different default values for AutoCAD 2002® vs. other Windows applications.

5 Click 'Next'.
6 Select the system plotter associated with WPD driver.



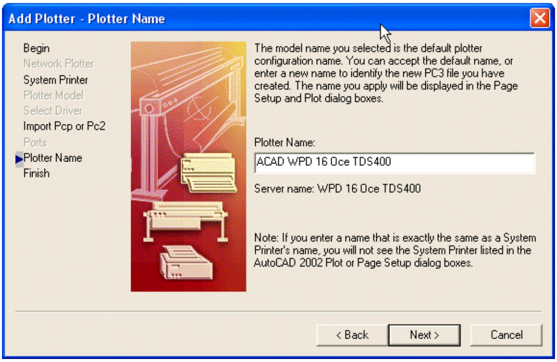
Select from the list of system plotters that are identified by the current Operating System.

FX Able Model-PR v2017 PS
WPD 16 Oce TDS400
WPD16 Oce TCS400 Colour
Generic / Text Only
Fax
Adobe PDF
\\SERVEUR_BUR\sa-acacias

To add a new Windows system plotter, choose the Windows Add Printer application from the printers folder in the Windows Control Panel.

7 Click 'Next' twice.

8 Enter a new plotter name (to distinguish it from the default name of the system plotter associated with WPD driver).



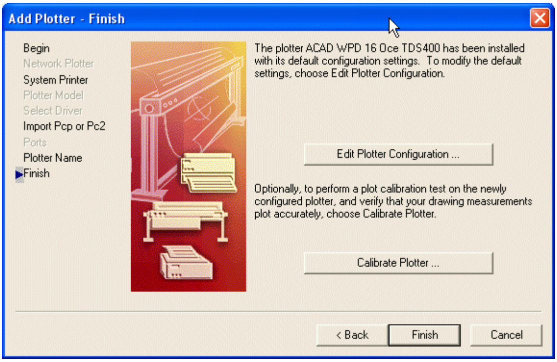
The model name you selected is the default plotter configuration name. You can accept the default name, or enter a new name to identify the new PC3 file you have created. The name you apply will be displayed in the Page Setup and Plot dialog boxes.

Plotter Name: ACAD WPD 16 Oce TDS400

Server name: WPD 16 Oce TDS400

Note: If you enter a name that is exactly the same as a System Printer's name, you will not see the System Printer listed in the AutoCAD 2002 Plot or Page Setup dialog boxes.

9 Click 'Next'.

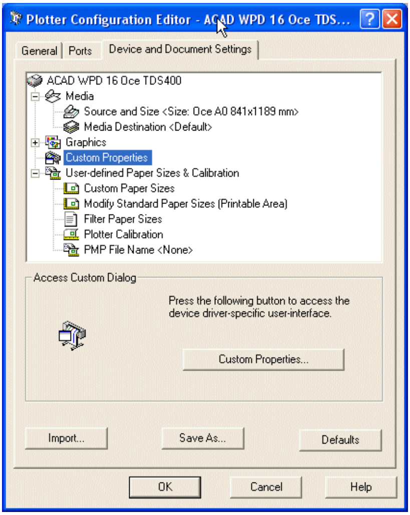


The plotter ACAD WPD 16 Oce TDS400 has been installed with its default configuration settings. To modify the default settings, choose Edit Plotter Configuration.

Optionally, to perform a plot calibration test on the newly configured plotter, and verify that your drawing measurements plot accurately, choose Calibrate Plotter.

10 Click 'Edit plotter configuration'.

11 Click 'Custom properties'. The 'Custom properties' button appears.


Plotter Configuration Editor - ACAD WPD 16 Oce TDS...
General
Ports
Device and Document Settings
ACAD WPD 16 Oce TDS400
Media
Source and Size <Size: Oce A0 841x1189 mm>
Media Destination <Default>
Graphics
Custom Properties
User-defined Paper Sizes & Calibration
Custom Paper Sizes
Modify Standard Paper Sizes (Printable Area)
Filter Paper Sizes
Plotter Calibration
PMP File Name <None>
Access Custom Dialog
Press the following button to access the device driver-specific user-interface.
Custom Properties...
Import...
Save As...
Defaults
OK
Cancel
Help

12 Click 'Custom properties' button.

13 Setup the printer parameters.

14 Click ‘OK’ twice and ‘Finish’.

Peer to peer configuration

Use LPR under NT/2000/XP/Server 2003

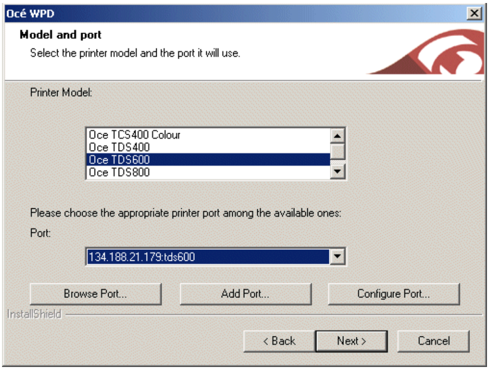
Before you start

- Under Windows 2000 and XP/Server 2003, make sure the LPR protocol is installed (see ‘Add and configure LPR printing protocol (for Windows 2000/XP/Server 2003 only)’ section on page 40).
- Make sure that LPR port corresponding to your Océ printer is created (see ‘Create LPR port’ on page 40).
- Make sure the driver you are about to install can be combined with your printer and Operating System. (see the ‘Compatibility matrix’ on page 11).

~ **Install WPD or PS3 for an Océ TDS/TCS printer**

1. According to the way you get the driver installation files:
   - In the Windows Explorer, browse to locate the directory where the Océ Windows Printer Driver or PostScript 3 distribution is located and double-click ‘Setup.exe’.
   - Insert the Driver Pack CD and launch the WPD or PS3 installation for your printer.
2. Select the setup language. The installer is launched.
3. Click ‘Next’ and ‘Yes’ to accept the license agreement.
   Note: *The Read me file is displayed for WPD. Read the information then close the file to continue the installation.*
4. Choose your language and click ‘Next’.

5 In the ‘Model and Port’ window, select your model and the LPR port previously created, then click ‘Next’.



Océ WPD

Model and port

Select the printer model and the port it will use.

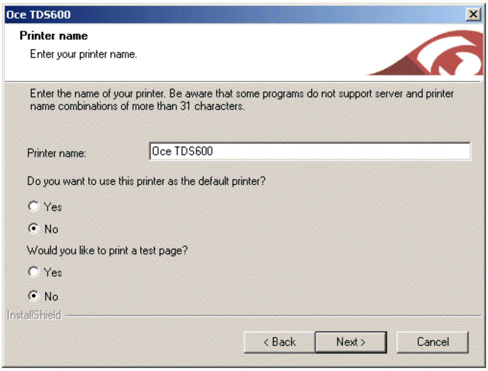
Printer Model:

Oce TCS400 Colour
Oce TDS400
Oce TDS600
Oce TDS800

Please choose the appropriate printer port among the available ones:

Port: 134.188.21.179:tds600

6 Name the printer and click ‘Next’.



Oce TDS600

Printer name

Enter your printer name.

Enter the name of your printer. Be aware that some programs do not support server and printer name combinations of more than 31 characters.

Printer name: Oce TDS600

Do you want to use this printer as the default printer?

○ Yes

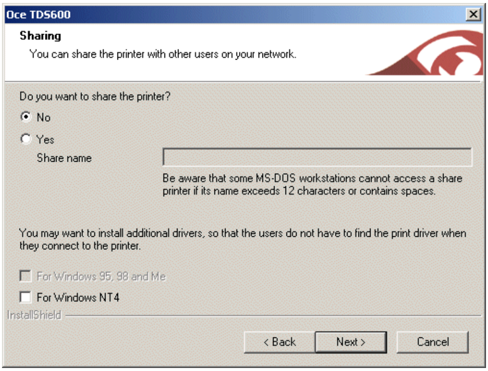
● No

Would you like to print a test page?

○ Yes

● No

7 In the ‘Sharing’ window, click ‘No’ (do not share a driver on a workstation).



Oce TDS600

Sharing

You can share the printer with other users on your network.

Do you want to share the printer?

● No

○ Yes

Share name

Be aware that some MS-DOS workstations cannot access a share printer if its name exceeds 12 characters or contains spaces.

You may want to install additional drivers, so that the users do not have to find the print driver when they connect to the printer.

☐ For Windows 95, 98 and Me

☐ For Windows NT4

8 Click ‘Next’, files are copied on your system.

9 Finish the installation.

~

Install WRD3 for an Océ TDS/TCS printer

Note: *At the moment when this version of Connectivity Manual has been prepared for edition, compatibility of WRD3 and Windows Server 2003 is not yet confirmed. Please consult the Océ website (www.oce.com) to know the current status.*

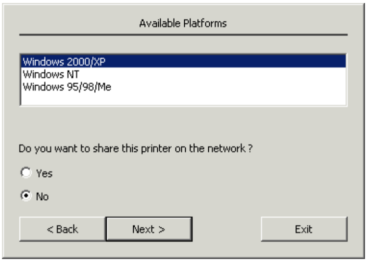
1 According to the way you get the driver installation files:
- In the Windows Explorer, browse to locate the directory where Océ WRD3 distribution is located and double-click ‘Setup.exe’.
- Insert the Driver Pack CD and launch the WRD3 installation for your printer.

2 When the installer is launched, select your language.

3 In the ‘End User License Agreement’ window, check the ‘I accept...’ box and click ‘Next’.

4 Select your printer model.

5 In the ‘Sharing’ window, check ‘No’ (do not share a driver on a workstation).



Available Platforms

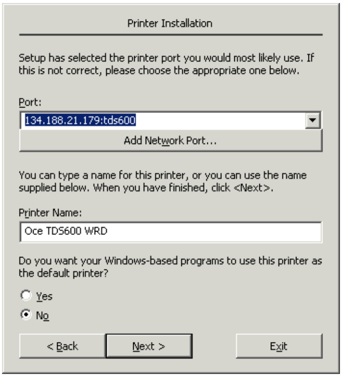
Windows 2000/XP
Windows NT
Windows 95/98/Me

Do you want to share this printer on the network ?

○ Yes
● No

6 Click ‘Next’.

7 Select the LPR port previously created and enter the printer name.



Printer Installation

Setup has selected the printer port you would most likely use. If this is not correct, please choose the appropriate one below.

Port: 134.188.21.179:tds600

You can type a name for this printer, or you can use the name supplied below. When you have finished, click <Next>.

Printer Name: Oce TDS600 WRD

Do you want your Windows-based programs to use this printer as the default printer?

○ Yes
● No

8 Click ‘Next’ and ‘Finish’ to complete the installation.

9 Restart your computer if needed.

Use SMB (all systems except Océ TDS450, Océ TCS300 and Océ TCS500)

Before you start, make sure the driver you are about to install can be combined with your printer and Operating System (see the ‘Compatibility matrix’ on page 11). SMB protocol is not available on the Océ TCS500, Océ TCS300 and Océ TDS450 print systems.

~ **Under Windows NT/2000/XP/Server 2003 platforms, map a local port**

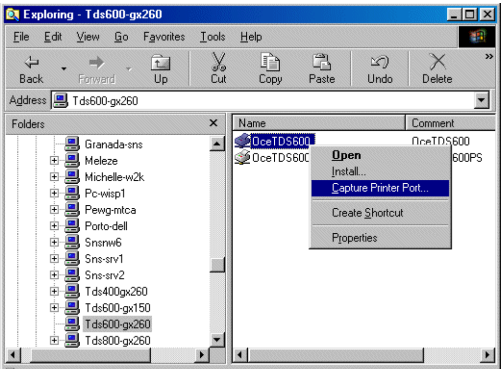
1 Open a DOS command window (‘Start/Run’ menu, ‘cmd’ program)
2 Enter the following command line:

```
net use [local port]: \\[Océ TDS/TCS host name]\ [printer share
name] /persistent:yes
```

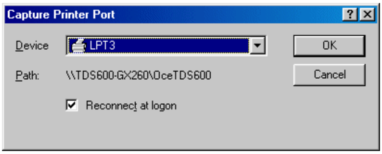
e.g.: ‘`net use LPT3: \\TDS600-GX260\ocetds600 /persistent:yes`’

~ **Under Windows 98/Me platforms, capture the printer port**

1 Open the Windows Explorer.
2 Browse the network to find the Océ TDS/TCS printer you want to use.
3 Right click on it



4 Select ‘Capture Printer Port...’



Device: LPT3

Path: \\TDS600-GX260\OceTDS600

☑ Reconnect at logon

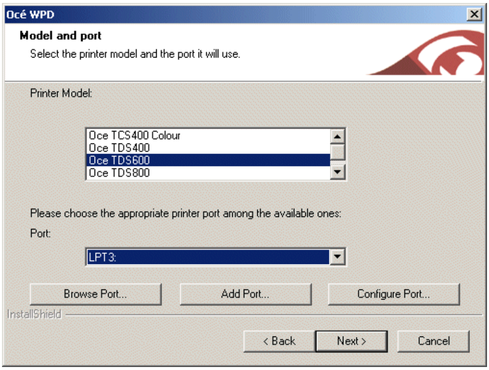
5 Select the LPT port you want to map the network the Océ TDS/TCS printer as a 'device'.
6 Enable 'Reconnect on logon'.
7 Click 'OK'.

~ Install the Océ WPD or PS3 drivers on a workstation for a peer to peer connection

The detailed installation process of each Océ driver is described in the associated User Manual or Installation Guide (available on www.oce.com).

Note: *The driver installation is quite similar under the Windows NT/2000/XP/Server 2003 platforms and under Windows 98/Me: in both cases, do not share the printer.*

1. According to the way you get the driver installation files:
   - In the Windows Explorer, browse to locate the directory where the Océ Windows Printer Driver or PostScript 3 distribution is located and double-click ‘Setup.exe’.
   - Insert the Driver Pack CD and launch the WPD or PS3 installation for your printer.
2. Select the setup language. The installer is launched.
3. Click ‘Next’ and ‘Yes’ to accept the license agreement.
   Note: *The Read me file is displayed for WPD. Read the information then close the file to continue the installation.*
4. Choose your language and click ‘Next’.
5. In the ‘Model and Port’ window, select your model and the local port previously mapped to the network printer (LPT3 in the example), then click ‘Next’.



Océ WPD

Model and port

Select the printer model and the port it will use.

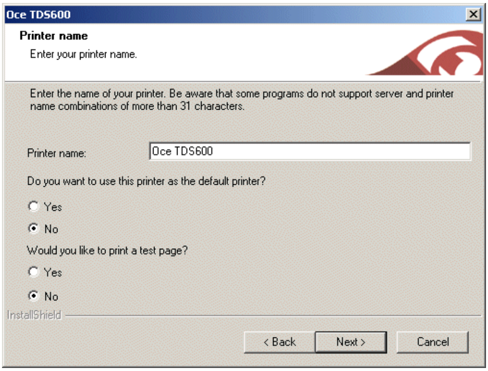
Printer Model:

Oce TCS400 Colour
Oce TDS400
Oce TDS600
Oce TDS800

Please choose the appropriate printer port among the available ones:

Port: LPT3:

6 Name the printer and click ‘Next’.



Printer name

Enter your printer name.

Enter the name of your printer. Be aware that some programs do not support server and printer name combinations of more than 31 characters.

Printer name: Oce TDS600

Do you want to use this printer as the default printer?

○ Yes

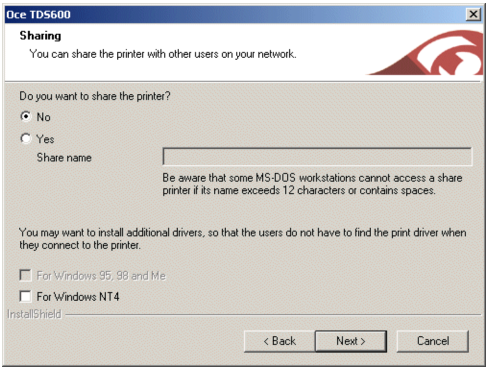
● No

Would you like to print a test page?

○ Yes

● No

7 In the ‘Sharing’ window, click ‘No’ (do not share a driver on a workstation).



Sharing

You can share the printer with other users on your network.

Do you want to share the printer?

● No

○ Yes

Share name

Be aware that some MS-DOS workstations cannot access a share printer if its name exceeds 12 characters or contains spaces.

You may want to install additional drivers, so that the users do not have to find the print driver when they connect to the printer.

☐ For Windows 95, 98 and Me

☐ For Windows NT4

8 Click ‘Next’, the files are copied on your system.

9 Finish the installation.

~

Install the Océ WRD3 drivers on a workstation for a peer to peer connection

Note: *At the moment when this version of Connectivity Manual has been prepared for edition, compatibility of WRD3 and Windows Server 2003 is not yet confirmed. Please consult the Océ website (www.oce.com) to know the current status.*

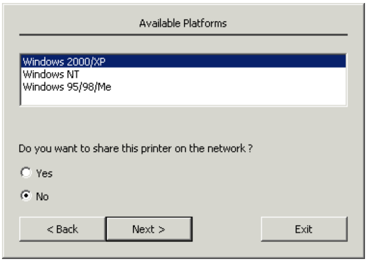
1 According to the way you get the driver installation files:
- In the Windows Explorer, browse to locate the directory where Océ WRD3 distribution is located and double-click ‘Setup.exe’.
- Insert the Driver Pack CD and launch the WRD3 installation for your printer.

2 When the installer is launched, select your language.

3 In the ‘End User License Agreement’ window, check the ‘I accept...’ box and click ‘Next’.

4 Select your printer model.

5 In the ‘Sharing’ window, check ‘No’ (do not share a driver on a workstation).


Available Platforms

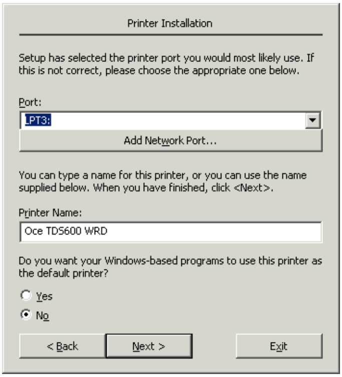
Windows 2000/XP
Windows NT
Windows 95/98/Me

Do you want to share this printer on the network ?

○ Yes
● No

6 Click ‘Next’.

7 Select the local port previously mapped to the network printer (LPT3 in the example) and enter the printer name.


Printer Installation

Setup has selected the printer port you would most likely use. If this is not correct, please choose the appropriate one below.

Port: LPT3:

You can type a name for this printer, or you can use the name supplied below. When you have finished, click <Next>.

Printer Name: Oce TDS600 WRD

Do you want your Windows-based programs to use this printer as the default printer?

○ Yes
● No

8 Click ‘Next’ and ‘Finish’ to complete the installation.

9 Restart your computer if needed.

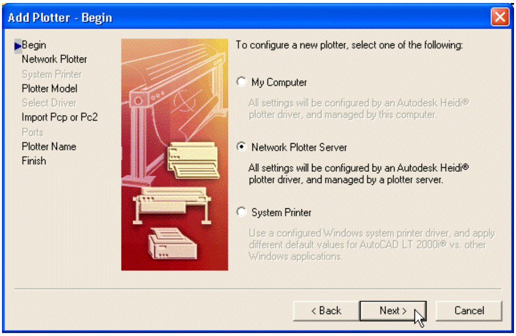
Printing from AutoCAD® (2000, 2000i, 2002)

Printing from AutoCAD® (2000, 2000i, 2002) - All systems except Océ TDS450, Océ TCS300 and Océ TCS500

Note: *Make sure you installed the latest version of HDI or WPD driver (see 'Drivers, Downloads and Support' section on http://www.oce.com).*

~ **Connect to an Océ TDS/TCS printer with the AutoCAD 2000, 2000i or 2002 HDI driver**

1 From the AutoCAD menu, select 'FILE / PLOTTER MANAGER'.
2 Double-click 'Add-A-Plotter Wizard' and click 'Next'.
3 Click 'Network Plotter Server'.



To configure a new plotter, select one of the following:

○ My Computer

All settings will be configured by an Autodesk Heidi® plotter driver, and managed by this computer.

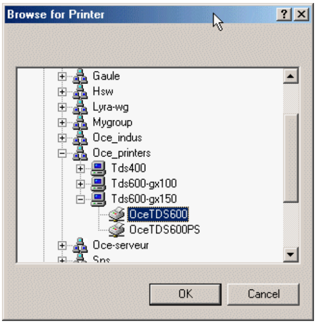
● Network Plotter Server

All settings will be configured by an Autodesk Heidi® plotter driver, and managed by a plotter server.

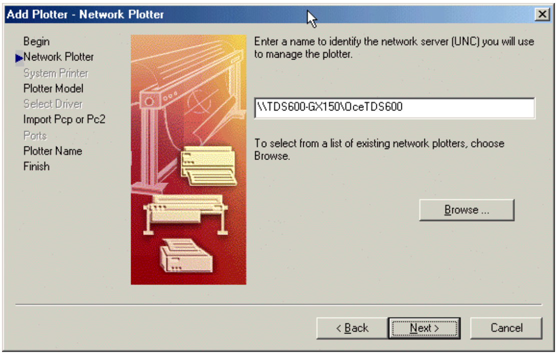
○ System Printer

Use a configured Windows system printer driver, and apply different default values for AutoCAD LT 2000i® vs. other Windows applications.

4 Click 'Next'.
5 Click 'Browse'.
6 Browse the network to locate the station where the TDS/TCS to address is connected to.



7 Select the printer queue and click ‘OK’.



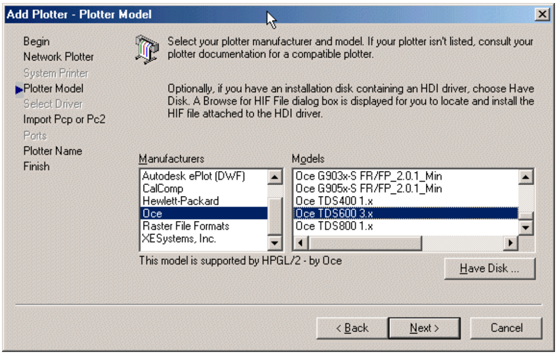
Enter a name to identify the network server (UNC) you will use to manage the plotter.

\\TDS600-GX150\OceTDS600

To select from a list of existing network plotters, choose Browse.

8 Click ‘Next’.

9 Select ‘Oce’ in the ‘Manufacturers’ list and your Océ printer in the ‘Models’ list and click ‘Next’.



Select your plotter manufacturer and model. If your plotter isn't listed, consult your plotter documentation for a compatible plotter.

Optionally, if you have an installation disk containing an HDI driver, choose Have Disk. A Browse for HIF File dialog box is displayed for you to locate and install the HIF file attached to the HDI driver.

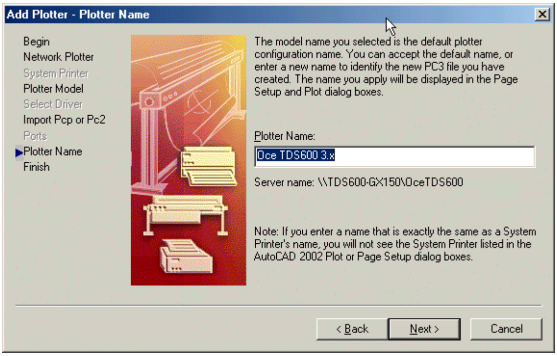
Manufacturers: Oce

Models: Oce TDS600 3.x

This model is supported by HPGL/2 - by Oce

10 Click ‘Next’.

11 Enter a new plotter name.



The model name you selected is the default plotter configuration name. You can accept the default name, or enter a new name to identify the new PC3 file you have created. The name you apply will be displayed in the Page Setup and Plot dialog boxes.

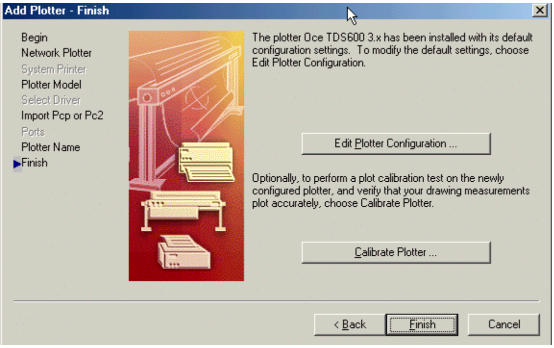
Plotter Name: Oce TDS600 3.x

Server name: \\TDS600-GX150\OceTDS600

Note: If you enter a name that is exactly the same as a System Printer's name, you will not see the System Printer listed in the AutoCAD 2002 Plot or Page Setup dialog boxes.

12 Click ‘Next’.

13 Click ‘Edit Plotter Configuration’.

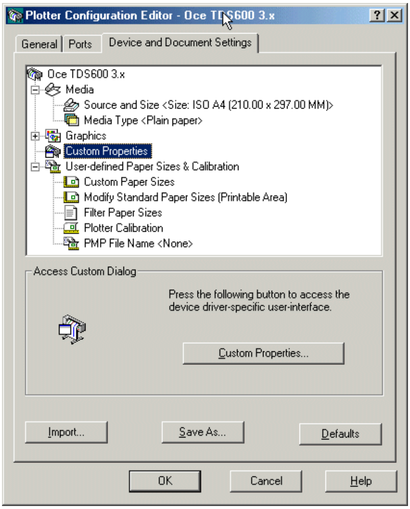


The plotter Oce TDS600 3.x has been installed with its default configuration settings. To modify the default settings, choose Edit Plotter Configuration.

Optionally, to perform a plot calibration test on the newly configured plotter, and verify that your drawing measurements plot accurately, choose Calibrate Plotter.

14 Click ‘Custom Properties’.

15 Click the ‘Custom Properties’ button.



Press the following button to access the device driver-specific user-interface.

16 Setup the printer parameters as needed.

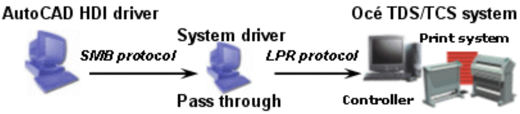
17 Click ‘OK’ twice and ‘Finish’.

~ **Connect to an Océ TDS/TCS printer with the system WPD driver (all OS)**

See ‘Connect to an Océ TDS/TCS printer with the system WPD driver (all OS)’ on page 51.

Printing from AutoCAD® (2000, 2000i, 2002) with Océ TDS450, Océ TCS300 and Océ TCS500

1. Create a Windows System driver to install a local printer ('Generic/Text only') and select an LPR port for this driver (it will be used as the 'System Driver Pass through').
2. In the Autodesk Plotter Manager, create a printer for an Océ HDI plotter and define as port the 'Generic/Text only' port you find in the ports list.

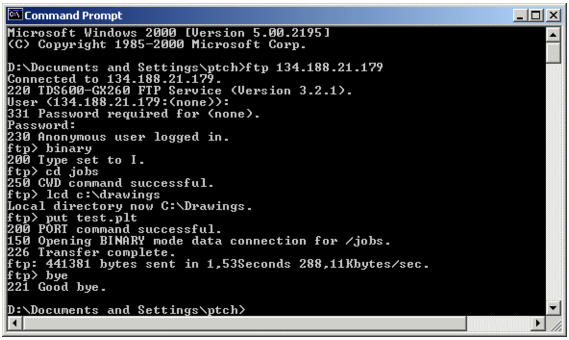


Print via FTP (all OS)

Print using a DOS command line interface

~ **Print using a DOS command line interface**

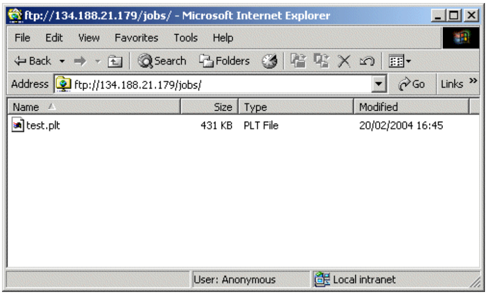
1. Launch MS-DOS Command Prompt
2. Type the command 'ftp' followed by the Océ TDS/TCS host name or IP address. For example: 'ftp tds600-gx260' or 'ftp 134.188.21.179'
3. Press 'Enter' twice for user name and password. A connection is now set to the Océ TDS/TCS ftp server for user 'anonymous'
4. Type the command 'binary' to set the binary transmission mode
5. Type the command 'cd jobs' to enter the 'jobs' directory of the Océ TDS/TCS FTP server.
6. Type the command 'lcd' followed by the local directory containing the data to print. For example 'lcd c:\drawings'.
7. Type the command 'put' followed by the name of data file. For example: 'put test.plt'. The data file is sent to the 'jobs' directory of the Océ TDS/TCS FTP server, processed and printed.
8. Type 'bye' command to close the FTP session.



```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

D:\Documents and Settings\ptch>ftp 134.188.21.179
Connected to 134.188.21.179.
220 TDS600-GX260 FTP Service (Version 3.2.1).
User (134.188.21.179:(none)):
331 Password required for (none).
Password:
230 Anonymous user logged in.
ftp> binary
200 Type set to I.
ftp> cd jobs
250 CWD command successful.
ftp> lcd c:\drawings
Local directory now C:\Drawings.
ftp> put test.plt
200 PORT command successful.
150 Opening BINARY mode data connection for /jobs.
226 Transfer complete.
ftp: 441381 bytes sent in 1,53Seconds 288,11Kbytes/sec.
ftp> bye
221 Good bye.

D:\Documents and Settings\ptch>
```

Print using a browser

1. Launch the Windows Explorer or an Internet Browser (e.g. Microsoft Internet Explorer)
2. Type the FTP address of your Océ TDS/TCS printer. For example 'ftp://134.188.21.179' or 'ftp://tds600-gx260'.
3. Explore 'jobs' folder.
4. Copy the data file(s) you want to submit into the window of the Windows Explorer or an Internet Browser (e.g. from another session of the Windows Explorer). The data file(s) is sent to the 'jobs' directory of the Océ TDS/TCS FTP server, processed and printed.



Address: ftp://134.188.21.179/jobs/

Name	Size	Type	Modified
test.plt	431 KB	PLT File	20/02/2004 16:45

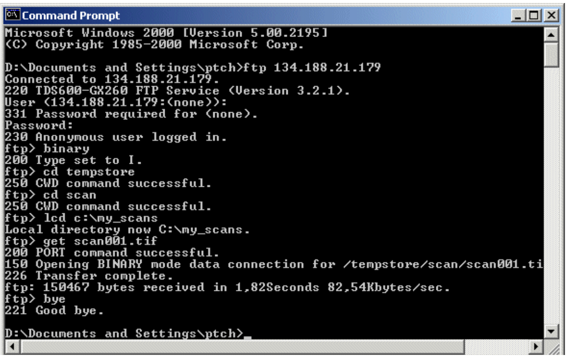
Note: *You can manage the jobs submitted by FTP:*
- Press <F5> key to view the list of jobs.
- Right click the job you want to delete and select 'Delete'.

Scan-to-file

Retrieve scanned files from an Océ TDS/TCS (all systems)

~ **Retrieve scanned files using DOS command line interface**

1. Launch MS-DOS Command Prompt
2. Type the command 'ftp' followed by the Océ TDS/TCS host name or IP address. For example: 'ftp tds600-gx260' or 'ftp 134.188.21.179'
3. Press 'Enter' twice for user name and password. A connection is now set to the Océ TDS/TCS ftp server for user 'anonymous'
4. Type the command 'binary' to set the binary transmission mode
5. Type the command 'cd tempstore' to enter the 'tempstore' directory of the Océ TDS/TCS FTP server.
6. Type the command:
   - 'cd scan' to enter the 'scan' directory were scans to destination 'on controller' are stored.
   - 'cd unsent' to enter the 'unsent' directory were scans not delivered to SMB or FTP remote destination are stored.
7. Type the command 'lcd' followed by the local directory containing the data to print. For example 'lcd c:\my_scans'.
8. Type the command 'put' followed by the name of data file. For example: 'put scan001.tif'. The data file is sent to the 'jobs' directory of the Océ TDS/TCS FTP server, processed and printed.
9. Type 'bye' command to close the FTP session.

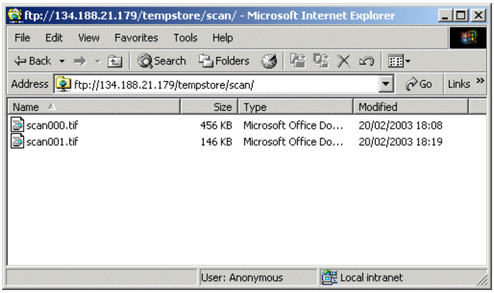


```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

D:\Documents and Settings\ptch>ftp 134.188.21.179
Connected to 134.188.21.179.
220 TDS600-GX260 FTP Service (Version 3.2.1).
User (134.188.21.179:(none)):
331 Password required for (none).
Password:
230 Anonymous user logged in.
ftp> binary
200 Type set to I.
ftp> cd tempstore
250 CWD command successful.
ftp> cd scan
250 CWD command successful.
ftp> lcd c:\my_scans
Local directory now C:\my_scans.
ftp> get scan001.tif
200 PORT command successful.
150 Opening BINARY mode data connection for /tempstore/scan/scan001.ti
226 Transfer complete.
ftp: 150467 bytes received in 1,82Seconds 82,54Kbytes/sec.
ftp> bye
221 Good bye.

D:\Documents and Settings\ptch>_
```

~

Retrieve a scanned file using a browser

1. Launch the Windows Explorer or an Internet browser (e.g. Microsoft Internet Explorer)
2. Type the FTP address of your Océ TDS/TCS printer. For example 'ftp://134.188.21.179' or 'ftp://tds600-gx260'.
3. Explore 'tempstore" folder.
4. Explore 'scan' folder to retrieve scans to destination 'on controller' or 'unsent' folder to retrieve scans not delivered to SMB or FTP remote destination.
5. Select the scan file(s) you want to retrieve and copy them, for example, to the window of another session of the Windows Explorer.



ftp://134.188.21.179/tempstore/scan/ - Microsoft Internet Explorer

Address ftp://134.188.21.179/tempstore/scan/

Name	Size	Type	Modified
scan000.tif	456 KB	Microsoft Office Do...	20/02/2003 18:08
scan001.tif	146 KB	Microsoft Office Do...	20/02/2003 18:19

User: Anonymous

Local intranet

Scan-to-file to an SMB destination

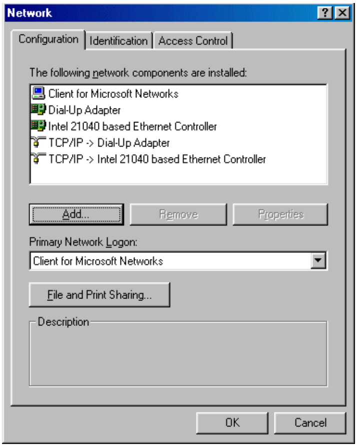
Note: *To create a SMB Scan-to-file destination (in a network without DNS server), make sure that the 'SMB printing' or 'NetBios over TCP/IP' setting (according to your Océ system) is enabled on the Settings Editor of your Océ system controller.*

Destination workstation running under Windows 98/Me

~ **Enable the file sharing on the workstation:**

1 Right-click 'Network Neighbourhood' on the desktop.

2 Select 'Properties'.



The following network components are installed:

- Client for Microsoft Networks
- Dial-Up Adapter
- Intel 21040 based Ethernet Controller
- TCP/IP -> Dial-Up Adapter
- TCP/IP -> Intel 21040 based Ethernet Controller

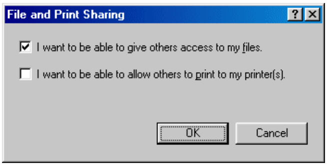
Primary Network Logon: Client for Microsoft Networks

3 Check if the 'File and printer sharing for Microsoft networks' service is installed:

- if it is, click 'OK'. The configuration is finished.
- if it is not installed, follow the procedure.

4 Click 'File and print sharing'.

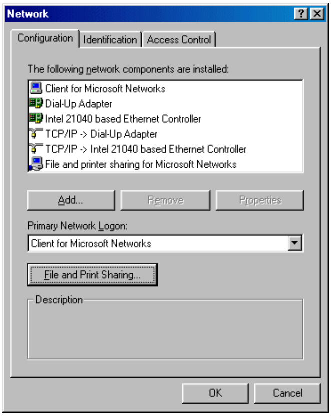
5 Check 'I want to be able to give others access to my files' and click 'OK'.



☑ I want to be able to give others access to my files.

☐ I want to be able to allow others to print to my printer(s).

6 The ‘Network’ window is displayed, with the ‘File and printer sharing for Microsoft networks’ service appearing as installed service:



Network

The following network components are installed:

- Client for Microsoft Networks
- Dial-Up Adapter
- Intel 21040 based Ethernet Controller
- TCP/IP -> Dial-Up Adapter
- TCP/IP -> Intel 21040 based Ethernet Controller
- File and printer sharing for Microsoft Networks

Primary Network Logon: Client for Microsoft Networks

7 Click ‘OK’. The station reboots if a parameter has been changed.

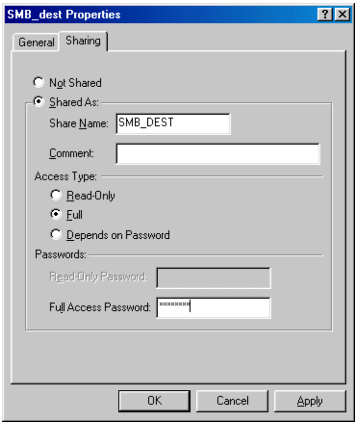
~ **Configure the destination folder**

1 Browse the destination folder with Windows Explorer.

2 Right click the folder and select 'Sharing…'

3 Select 'Sharing as' and enter the desired name in the field 'Share Name:'

4 Select 'Access type: Full'. If you want to set password protection of the destination folder, enter a password in the 'Full Access Password' field.



SMB_dest Properties

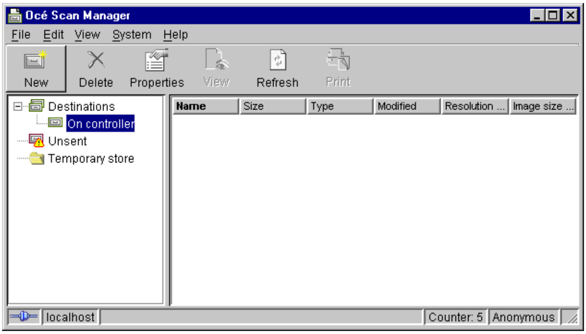
○ Not Shared
● Shared As:
Share Name: SMB_DEST
Comment:
Access Type:
○ Read-Only
● Full
○ Depends on Password
Passwords:
Read-Only Password:
Full Access Password: ********

5 Click 'OK'.

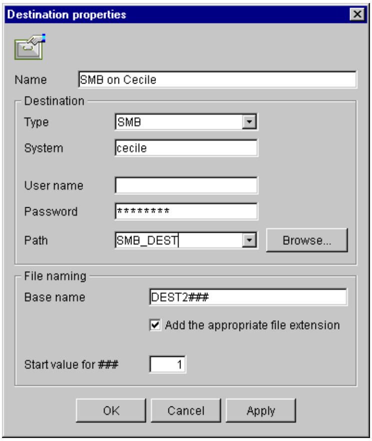
~ Configure the SMB destination in the Océ TDS/TCS Scan Manager

1 Select ‘Destinations’ in the tree view of the Scan Manager

2 Click on the 'New' button of the toolbar.



3 The 'Destination properties' dialogue box appears.



Name: SMB on Cecile

Type: SMB

System: cecile

User name:

Password: ********

Path: SMB_DEST

Base name: DEST2###

☑ Add the appropriate file extension

Start value for ###: 1

4 In the 'Name' text box enter a logical name for the destination. This logical name also appears on the scanner panel.

5 From the 'Type' drop-down list box choose destination type 'SMB'

6 In the 'System' text box enter the host name or IP address of a computer were the destination shared folder is located.

7 Do not fill the 'User name' text box.

8 In the 'Password' text box enter the 'Full Access Password' password of the destination folder, if password protection of the destination folder is set.

9 In the 'Path' text box enter the path to the destination folder.

10 Click 'OK'.

Note: *If an error message pops-up, see the ‘Troubleshooting’ section on page 79.*

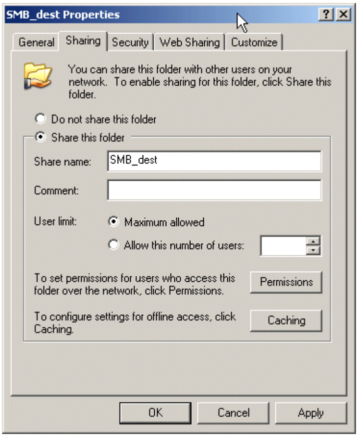
Destination workstation running under Windows NT/2000/XP/Server 2003

Before you start, make sure that domain security policy allows access from the Océ TDS/TCS to the computer were the destination folder is located.

Note: *When scanning to a Windows XP destination workstation, you need to configure the workstation XP firewall. See ‘Scan To File: configuration of Windows XP firewall on the destination workstation’ on page 77.*

~ Configure the destination folder

1 Browse the destination folder with Windows Explorer.
2 Right click the folder and select 'Sharing…'
3 Select 'Sharing as' and enter the desired name in the field 'Share Name:'



You can share this folder with other users on your network. To enable sharing for this folder, click Share this folder.

○ Do not share this folder
● Share this folder

Share name: SMB_dest
Comment:
User limit: ● Maximum allowed
○ Allow this number of users:

To set permissions for users who access this folder over the network, click Permissions.

To configure settings for offline access, click Caching.

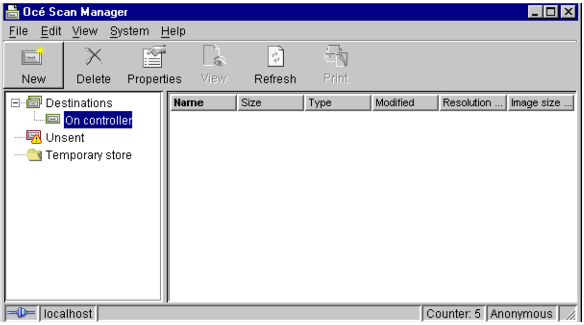
4 By default the 'Full control' permission is given to 'Everyone'. If you to limit 'Full control' permission to a certain local or domain account click 'Permissions' button and configure the permissions.
5 Click 'OK'.

Note: *At least one local or domain account must have 'Full control' permission.*

~ Configure the SMB destination in the Océ TDS/TCS Scan Manager

1 Select ‘Destinations’ in the tree view of the Scan Manager

2 Click on the 'New' button of the toolbar.



3 The 'Destination properties' dialogue box appears.

4 In the 'Name' text box enter a logical name for the destination. This logical name also appears on the scanner panel.

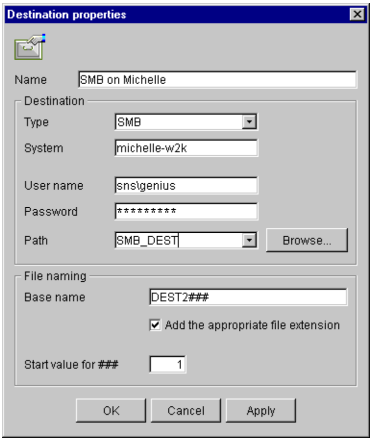
5 From the 'Type' drop-down list box choose destination type 'SMB'.

6 In the 'System' text box enter the host name or IP address of a computer were the destination shared folder is located.

7 In the 'User name' text box enter the user account name (local or domain) with 'Full Access' to the destination folder.

8 In the 'Password' text box enter the password of the user account with the 'Full control' permissions.

9 In the 'Path' text box enter the path to the destination folder.



Name: SMB on Michelle
Type: SMB
System: michelle-w2k
User name: sns\genius
Password: *********
Path: SMB_DEST
Base name: DEST2###
☑ Add the appropriate file extension
Start value for ###: 1

10 Click 'OK'.

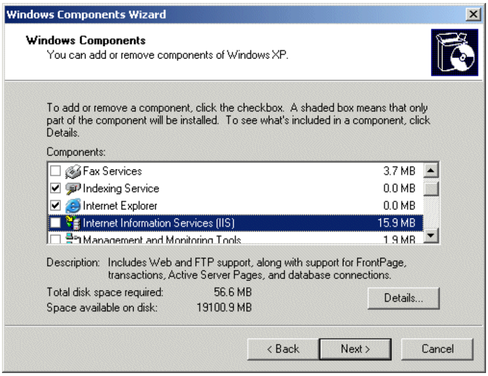
Note: *If an error message pops-up, see the ‘Troubleshooting’ section on page 79.*

Scan-to-file to an FTP destination (Windows 2000/XP/Server 2003 computer)

~ **Install the FTP service**

1 Open 'Add/Remove Programs' (Start -> Settings -> Control Panel -> Add/Remove Programs).

2 Click 'Add/remove Windows Components'.



Windows Components Wizard

Windows Components
You can add or remove components of Windows XP.

To add or remove a component, click the checkbox. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.

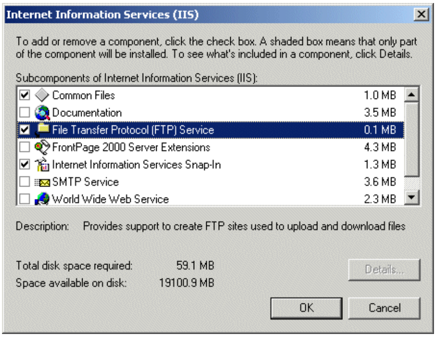
Components:

☐	Fax Services	3.7 MB
☑	Indexing Service	0.0 MB
☑	Internet Explorer	0.0 MB
☐	Internet Information Services (IIS)	15.9 MB
☐	Management and Monitoring Tools	1.9 MB

Description: Includes Web and FTP support, along with support for FrontPage, transactions, Active Server Pages, and database connections.

Total disk space required: 56.6 MB
Space available on disk: 19100.9 MB

3 Click 'Internet Information Services (IIS)', then 'Details'.
Note: *Under Windows Server 2003, click 'Application server' then 'Details'.*



Internet Information Services (IIS)

To add or remove a component, click the check box. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.

Subcomponents of Internet Information Services (IIS):

☑	Common Files	1.0 MB
☐	Documentation	3.5 MB
☑	File Transfer Protocol (FTP) Service	0.1 MB
☐	FrontPage 2000 Server Extensions	4.3 MB
☑	Internet Information Services Snap-In	1.3 MB
☐	SMTP Service	3.6 MB
☐	World Wide Web Service	2.3 MB

Description: Provides support to create FTP sites used to upload and download files

Total disk space required: 59.1 MB
Space available on disk: 19100.9 MB

4 Verify if the case 'File Transfer Protocol (FTP) Server' is checked:
- if it is checked, click 'Cancel' twice. The installation is finished.
- If it is not checked, check it.

5 Click 'OK', then 'Next'. Installation will start. Be ready to install Windows CD-ROM when demanded.

6 When installation is terminated click 'Finish'.

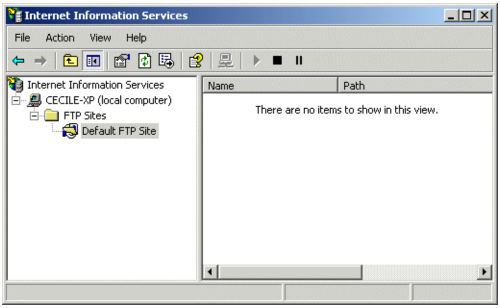
~ Configure the FTP server on the destination workstation

Note: *When scanning to a Windows XP destination workstation, you need to configure the workstation XP firewall. See ‘Scan To File: configuration of Windows XP firewall on the destination workstation’ on page 77.*

1 Open 'Administrative Tools' (‘Start/Settings/Control Panel/Administrative Tools’).

2 Double click 'Internet Information Services'.

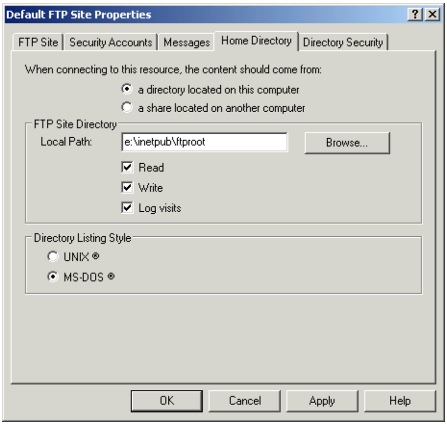
3 Explore 'local computer', then 'FTP Sites'.


Internet Information Services
File
Action
View
Help
Internet Information Services
CECILE-XP (local computer)
FTP Sites
Default FTP Site
Name
Path

There are no items to show in this view.

4 Right click 'Default FTP Site' and select Properties.

5 Select 'Home Directory' tab.



When connecting to this resource, the content should come from:

● a directory located on this computer

○ a share located on another computer

Local Path: e:\inetpub\ftproot

☑ Read

☑ Write

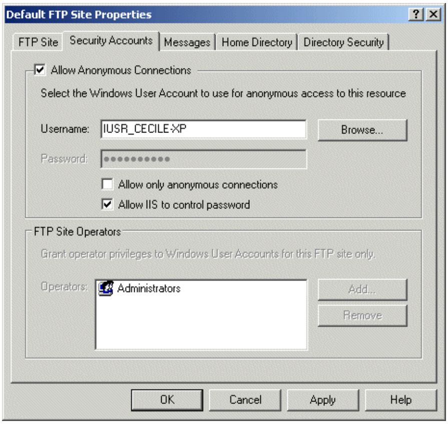
☑ Log visits

○ UNIX ®

● MS-DOS ®

6 Configure FTP Directory path. Ensure that 'Read' and 'Write' cases are checked.

7 Select 'Security Accounts' tab.



☑ Allow Anonymous Connections

Select the Windows User Account to use for anonymous access to this resource

Username: IUSR_CECILE-XP

Password: ••••••••••

☐ Allow only anonymous connections

☑ Allow IIS to control password

Grant operator privileges to Windows User Accounts for this FTP site only.

Operators: Administrators

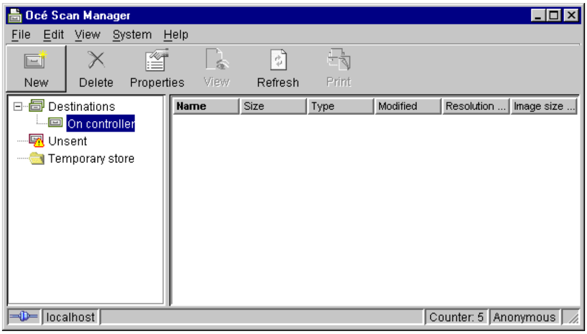
8 Uncheck 'Allow Anonymous Connections' case if only authenticated access is required.

9 Click 'OK', then close 'Internet Information Services' and 'Administrative Tools'.

~ Configure the FTP destination in the Océ TDS/TCS Scan Manager

1 Select ‘Destinations’ in the tree view of the Scan Manager.

2 Click on the 'New' button of the toolbar.



3 The 'Destination properties' dialogue box appears.

4 In the 'Name' text box enter a logical name for the destination. This logical name also appears on the scanner panel.

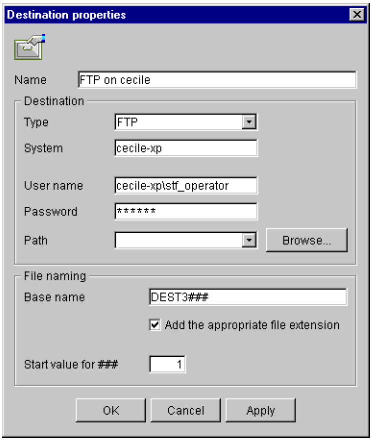
5 From the 'Type' drop-down list box choose destination type 'FTP'.

6 In the 'System' text box enter the name or IP address of the FTP server.

7 In the 'User name' text box enter the user account name (local or domain). If Anonymous Connections are allowed, you can leave the box empty.

8 In the 'Password' text box enter the password of the user account (local or domain). If Anonymous Connections are allowed, you can leave the box empty.

9 In the 'Path' text box enter the path to the destination folder (if any).



Name: FTP on cecile

Destination

Type: FTP

System: cecile-xp

User name: cecile-xp\stf_operator

Password: ******

Path:

File naming

Base name: DEST3###

☑ Add the appropriate file extension

Start value for ###: 1

10 Click 'OK'.

Note: *User account name and passwords are not encrypted when sent to the FTP server. This can compromise the local network security.*
If authenticated access is required use local account on the destination computer rather than domain user account.

Scan To File: configuration of Windows XP firewall on the destination workstation

More and more computers are equipped with a firewall: Windows XP SP2 includes an internal Windows Firewall activated by default.

Note: *In the context of Scan to File via FTP, the FTP Client is located on PLC controller, the FTP Server on the destination workstation.*

You must configure the following Firewall settings on the destination workstation when using the Scan To File option with the Océ TCSx00 / Océ TDSxx0 systems:

Scan To File using SMB

To use the Scan To File via SMB, open the **TCP port 139** on the destination workstation.

Scan To File using FTP

For Océ TCS400 v2.2.2 / Océ TDS300 v1.1.3 / Océ TDS400 v2.1.3 / Océ TDS600 v4.1.3 / Océ TDS800 v2.1.3 / Océ TDS860 v1.0.1 and higher, **FTP server on the customer workstation must support the PASSIVE mode** and the Firewall settings must be setup accordingly.

Océ PLC controller version ***Destination workstation OS***	**TCS400 v2.2.2 / TDS300 v1.1.3 TDS400 v2.1.3 / TDS600 v4.1.3 TDS800 v2.1.3 / TDS860 v1.0.1 and higher versions**	**TCSx00** **TDSxx0 systems - Other versions**
Windows XP SP1	Open Port TCP 21 on the workstation firewall exception list **Note:** *FTP server must support passive mode.*	Open Port TCP 21 in the firewall exceptions list
Windows XP SP2	Check FTP Server is enabled in the firewall exceptions list	- Check FTP Server is enabled in the firewall exceptions list OR - Open Port TCP 21 in the firewall exceptions list

[3] Example: Configuration of XP firewall for a Scan To File using FTP

Troubleshooting

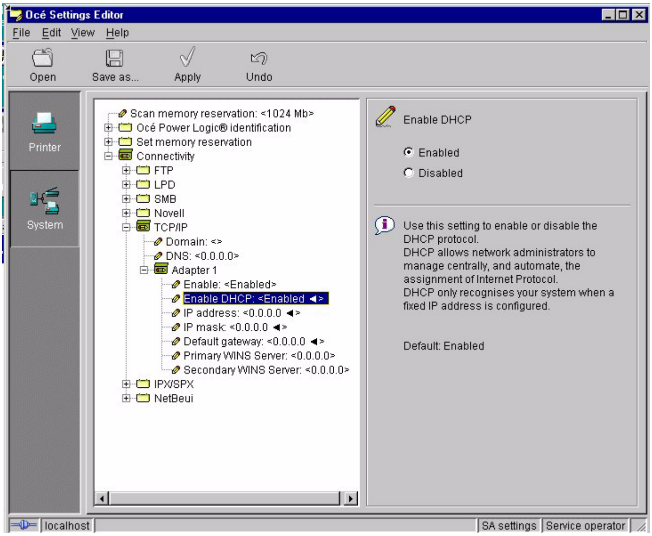
Setup DHCP on an NT based Océ TDS system

Special attention is required when setting up DHCP through Océ Settings Editor on an NT based Océ TDS system.

When you want to enable DHCP on an Océ TDS/TCS, it is MANDATORY to reset the IP address, IP mask and the Default gateway to the value 0.0.0.0 before applying the parameters and restarting the system.
Otherwise, after a reboot, the controller may remember a static IP address preventing DHCP protocol to work properly.

~ **Enable properly DHCP on an Océ TDS/TCS**

1. From the Océ Settings Editor, select ‘View/SA settings’.
2. Click ‘System’ and select ‘Connectivity/TCP/IP/ <relevant Adapter>’.
3. Log in as System Administrator.
4. Enable DHCP.
5. Reset IP address to 0.0.0.0.
6. Reset IP mask to 0.0.0.0.
7. Reset Default gateway to 0.0.0.0.



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
  FTP
  LPD
  SMB
  Novell
  TCP/IP
    Domain: <>
    DNS: <0.0.0.0>
    Adapter 1
      Enable: <Enabled>
      Enable DHCP: <Enabled ◄>
      IP address: <0.0.0.0 ◄>
      IP mask: <0.0.0.0 ◄>
      Default gateway: <0.0.0.0 ◄>
      Primary WINS Server: <0.0.0.0>
      Secondary WINS Server: <0.0.0.0>
  IPX/SPX
  NetBeui

Enable DHCP

● Enabled
○ Disabled

Use this setting to enable or disable the DHCP protocol.
DHCP allows network administrators to manage centrally, and automate, the assignment of Internet Protocol.
DHCP only recognises your system when a fixed IP address is configured.

Default: Enabled

8. Click ‘Apply’ and reboot the controller.

Network - Solve MTU (Maximum Transfer Unit) troubles

Issue When starting Internet Explorer on a client workstation in order to use Océ Print Exec Workgroup on an Océ TDS/TCSTDS/TCS system, the web page opens, but the display is suspended.
Yet, equipment between client workstation and Océ TDS/TCS system is significant; Océ PEWG used on another workstation located close to the Océ TDS/TCS system works properly.

The problem seems to be linked to the network infrastructure.

About MTU (Maximum Transfer Unit)
MTU defines the maximum size of a packet that can be transferred in one frame over a network. Océ TDS system controller MTU is equal to the standard Ethernet value: 1500 bytes.
In a complex Network environment, some equipment may reduce the MTU. MTU reduction produces packet fragmentation, therefore some packets may be lost: this results in a communication hang-up between 2 equipment.
In order to avoid fragmentation (and so, the risk of packets loss), the MTU for all network equipment must be equal or higher than 1500 bytes.

Solution In order to check whether the problem is related to the network MTU, use the following procedure:

~ **Check the Network MTU**

1. If you have a problem between workstation and Océ TDS/TCS system, use the ‘ping’ utility by setting the -f and -l parameters:
   - The -f parameter causes the Ping utility to send an ICMP echo packet that has the IP ‘do not fragment’ bit set.
   - The -l parameter sets the buffer (or payload) size of the ICMP echo packet. You specify this size by typing a number after the -l parameter.

   The largest buffer that can be sent unfragmented is equal to the smallest MTU existing along a route, minus the IP and ICMP headers (in other words, the smallest MTU minus 28). For example, Ethernet has an MTU of 1500 bytes, so under the best circumstances, the ‘ping’ utility can echo an unfragmented packet, plus an ICMP buffer, of 1472 bytes (1500 minus 28).

2. According to the above explanation, type the following syntax to check whether the MTU is equal or greater than 1500:

```
ping <computer name or IP address> -f - l 1472
```

- If the response is:

`'Reply from <computer name or IP address>:bytes=1472 time=1ms TTL=127'`

MTU is equal or greater than 1500.

- If the response is:

`'Packet needs to be fragmented but DF set'`

MTU is smaller than 1500 and that may explain the network problem. There are interminable segments that have smaller MTUs.

~ **In this case, define the MTU between the equipment**

1 As long as you get the ping return message `'Packet needs to be fragmented but DF set'` decrement by one the '-l' parameter.
2 Once the ping return message is `'Reply from <computer name or IP address>:bytes=1472 time=1ms TTL=127'`, note the '-l' parameter value.
3 Add 28 to this value. The total gives you the MTU value for all the network between the workstation and the Océ TDS/TCS system.

Note: *See also: http://support.microsoft.com/default.aspx?scid=kb;EN-US;314825*

Configure DNS server address on an XPe based Océ TDS/TCS

Issue If DHCP is enabled on the XPe based Océ TDS/TCS, changing DNS server IP address is not successful. After clicking on 'Apply' button 'Failed to apply at least one of the changed settings' message is displayed.

~ **Solution - The following method to be used:**

1 Disable DHCP and Click 'Apply'.
2 Click 'OK' when proposed to re-boot the controller and go to the next step.
3 Change the DNS server IP address and click 'Apply'.
4 Click 'OK' when proposed to re-boot the controller and go to the next step.
5 Enable DHCP and click 'Apply'.
6 Click 'OK' when proposed to re-boot the controller. Now you can restart the controller.

Impossible to use FTP browsing to retrieve files on the controller.

Issue

It is impossible to retrieve scanned files browsing the Océ PLC controller: impossible to browse the FTP destination with Internet Explorer, using the URL ‘ftp://<TDShostname>/tempstore/scan’.

Note: *Security level is set to STANDARD / Normal.*

Explanations This may occur on some Océ TDS/TCS versions with Océ PLC controller based on XP SP1 version (Océ TDS300 v1.1.2, Océ TDS400 v2.1.2, Océ TDS600 v4.1.2, Océ TDS800 v2.1.2, Océ TDS860 v1.0, Océ TCS400 v2.2 systems). Use one of the following workarounds.

Possible workarounds:

- Make sure that:
  - The 'Use Passive FTP' setting is UNCHECKED (in 'Internet options' / 'Advanced') for Internet Explorer.
  - Internet Explorer is not blocked by your PC workstation firewall (for the Windows Firewall, Internet Explorer should be added to the exception list for this particular FTP requirement).
- Use another FTP client software.
  Do not select the FTP 'Passive mode', and add this FTP client in the firewall exceptions list.

Note: *Choose this solution in case adding Internet Explorer in the firewall exception list is not allowed by the IT administrator security policy*

- Contact your Océ local representative for an upgrade of the Océ PLC controller.

Note: *This problem is not encountered with the Océ PLC controller based on XPe Service Pack 2 (embedding the last Microsoft Windows Firewall): Océ TDS300 v1.1.3, Océ TDS400 v2.1.3, Océ TDS600 v4.1.3, Océ TDS800 v2.1.3, Océ TDS860 v1.0.1, Océ TCS400 v2.2.2 systems.*

To get more information about FTP Active / Passive modes, please consult the Appendix B on page 267.

Impossible to create a SMB Scan-to-file destination from a NT based Océ TDS, using IP address

Issue It is impossible to create a SMB Scan-to-file destination from a NT based Océ TDS using IP address of the computer were the destination shared folder is located. It is caused by a limitation of Océ SMB client implemented in NT based Océ TDS.

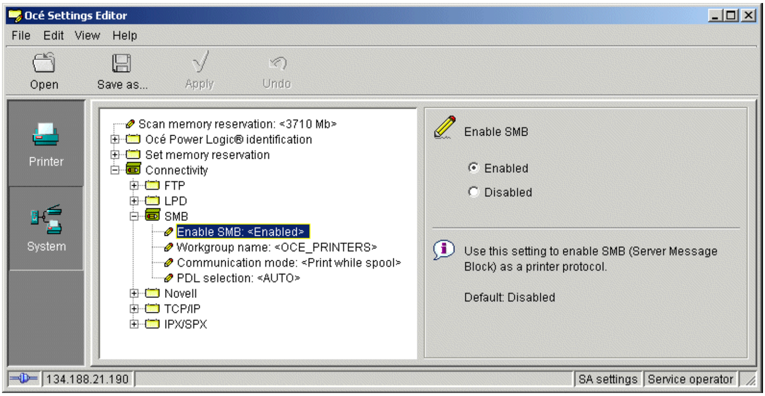
Solution Use hostname instead of IP address.

Impossible to create a SMB Scan-to-file destination from a XPe based Océ TDS/TCS system, when the SMB printing is disabled

Issue For Océ TDS300 v1.1.1 and higher, Océ TDS400 v2.1.1 and higher, Océ TDS450 v1.0.x, Océ TDS600 v4.1.1 and higher, Océ TDS800 v2.1.1 and higher, Océ TDS860 v1.0 and higher, Océ TCS400 v2.2 and higher and Océ TCS500 v1.1 and below, the SMB printing configuration and default value have changed, in order to increase security. The default value of the 'Enable SMB' setting has been changed to 'Disabled' in the Settings Editor.

As a side effect, in some network configurations (e.g. Windows workgroup without DNS), it is not possible to create a SMB Scan-to-file destination when the SMB printing is disabled.

Solution To create a SMB Scan-to-file destination, enable the SMB printing in the Settings Editor:



Scan memory reservation: <3710 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
  FTP
  LPD
  SMB
    Enable SMB: <Enabled>
    Workgroup name: <OCE_PRINTERS>
    Communication mode: <Print while spool>
    PDL selection: <AUTO>
  Novell
  TCP/IP
  IPX/SPX

Enable SMB

● Enabled
○ Disabled

Use this setting to enable SMB (Server Message Block) as a printer protocol.

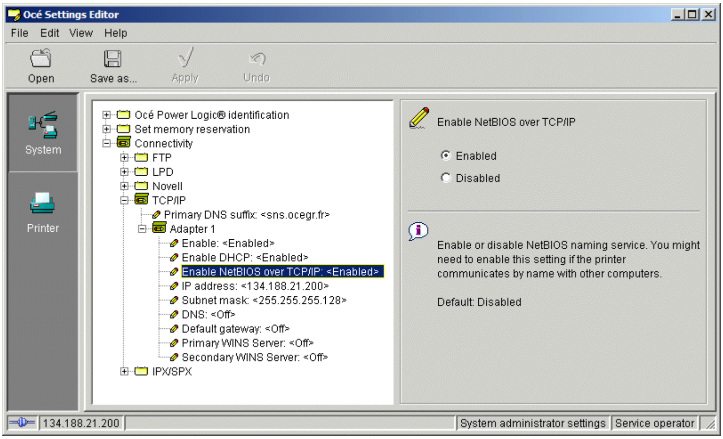
Default: Disabled

134.188.21.190 | SA settings | Service operator

Impossible to create a SMB Scan-to-file destination from an Océ TDS450 v1.1+, Océ TCS500 v1.2+ or Océ TCS300 system, when NetBios over TCP/IP is disabled

Issue For Océ TDS450 v1.1 and higher, Océ TCS500 v1.2 and higher and Océ TCS300 systems, the SMB printing protocol is removed by default.
As a side effect, in some network configurations (e.g. Windows workgroup without DNS), it is not possible to create a SMB Scan-to-file destination when NetBios over TCP/IP is disabled.

Solution To create a SMB Scan-to-file destination, enable NetBios over TCP/IP in the Settings Editor:



- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
  - Novell
  - TCP/IP
    - Primary DNS suffix: <sns.ocegr.fr>
    - Adapter 1
      - Enable: <Enabled>
      - Enable DHCP: <Enabled>
      - Enable NetBIOS over TCP/IP: <Enabled>
      - IP address: <134.188.21.200>
      - Subnet mask: <255.255.255.128>
      - DNS: <Off>
      - Default gateway: <Off>
      - Primary WINS Server: <Off>
      - Secondary WINS Server: <Off>
  - IPX/SPX

Enable NetBIOS over TCP/IP

● Enabled

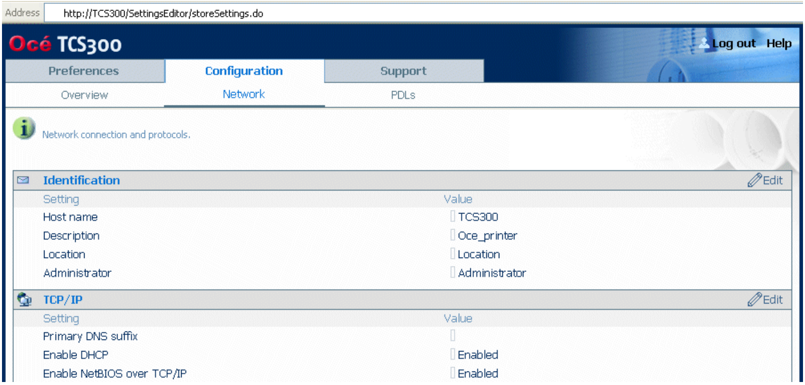
○ Disabled

Enable or disable NetBIOS naming service. You might need to enable this setting if the printer communicates by name with other computers.

Default: Disabled

134.188.21.200 | System administrator settings | Service operator

[4] NetBios over TCP/IP enabled on Océ TCS500



http://TCS300/SettingsEditor/storeSettings.do

Network connection and protocols.

Identification

Setting	Value
Host name	TCS300
Description	Oce_printer
Location	Location
Administrator	Administrator

TCP/IP

Setting	Value
Primary DNS suffix	
Enable DHCP	Enabled
Enable NetBIOS over TCP/IP	Enabled

[5] NetBios over TCP/IP enabled on Océ TCS300

Impossible to create a SMB Scan-to-file destination on a domain controller running under Windows Server 2003

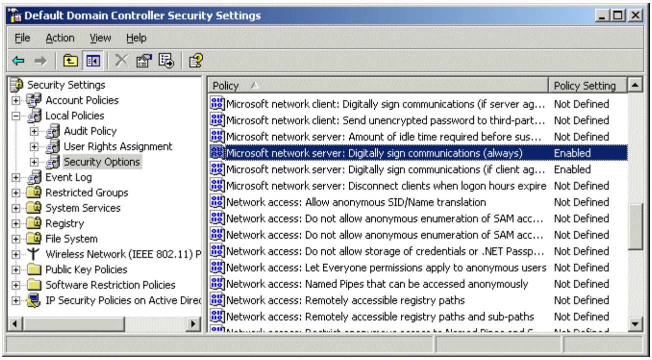
Issue When a Windows Server 2003 is promoted to the domain controller, the default value of a registry setting (see below) changes from ‘0’ to ‘1’ (Enabled).
As a result the domain controller’s SMB server accepts only digitally signed SMB packets.This feature is not supported by the Océ SMB client used by the Océ Scan Manager. Consequently, the creation of SMB destinations fails.

Possible solutions:

- You can use another workstation, member server or stand alone server for the Scan-to-file destination.
- The following modification of the domain controller can be done by the network administrator:

~ **Disable ‘Digitally sign communications’:**

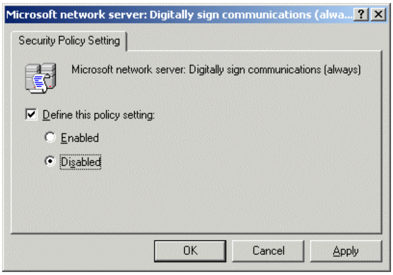
1 Open the ‘Domain Controller Security Settings’ snap-in (‘Start / Programs / Administrative Tools / Domain Controller Security Settings’).
2 Explore ‘Local Policies’, then ‘Security Options’:



Policy	Policy Setting
Microsoft network client: Digitally sign communications (if server ag...	Not Defined
Microsoft network client: Send unencrypted password to third-part...	Not Defined
Microsoft network server: Amount of idle time required before sus...	Not Defined
Microsoft network server: Digitally sign communications (always)	Enabled
Microsoft network server: Digitally sign communications (if client ag...	Enabled
Microsoft network server: Disconnect clients when logon hours expire	Not Defined
Network access: Allow anonymous SID/Name translation	Not Defined
Network access: Do not allow anonymous enumeration of SAM acc...	Not Defined
Network access: Do not allow anonymous enumeration of SAM acc...	Not Defined
Network access: Do not allow storage of credentials or .NET Passp...	Not Defined
Network access: Let Everyone permissions apply to anonymous users	Not Defined
Network access: Named Pipes that can be accessed anonymously	Not Defined
Network access: Remotely accessible registry paths	Not Defined
Network access: Remotely accessible registry paths and sub-paths	Not Defined

3 Double-click ‘Microsoft network server: Digitally sign communication (always)’ to open the setting properties window.

4 Select ‘Disabled’ and click OK:


Microsoft network server: Digitally sign communications (alwa...
Security Policy Setting
OK
Cancel
Apply

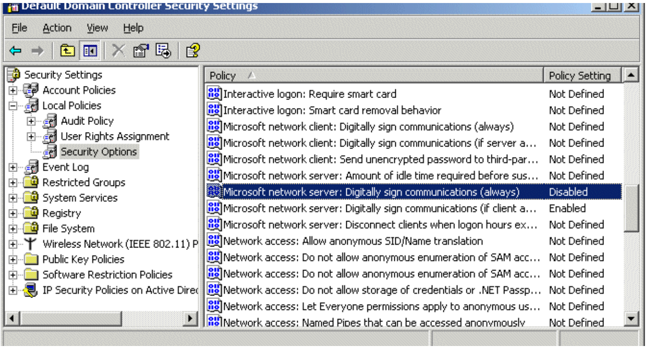
Microsoft network server: Digitally sign communications (always)

☑ Define this policy setting:

○ Enabled

● Disabled

5 Close the ‘Domain Controller Security Settings’ snap-in.



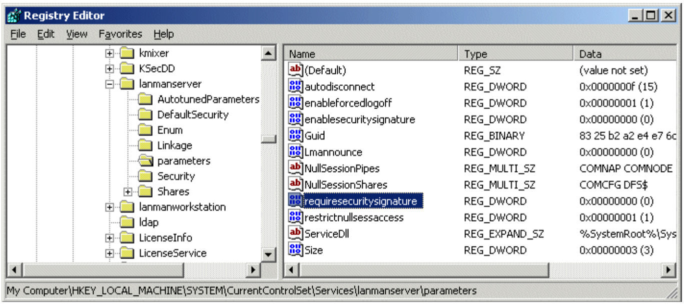
- Security Settings
  - Account Policies
  - Local Policies
    - Audit Policy
    - User Rights Assignment
    - Security Options
  - Event Log
  - Restricted Groups
  - System Services
  - Registry
  - File System
  - Wireless Network (IEEE 802.11) P
  - Public Key Policies
  - Software Restriction Policies
  - IP Security Policies on Active Direc

Policy	Policy Setting
Interactive logon: Require smart card	Not Defined
Interactive logon: Smart card removal behavior	Not Defined
Microsoft network client: Digitally sign communications (always)	Not Defined
Microsoft network client: Digitally sign communications (if server a...	Not Defined
Microsoft network client: Send unencrypted password to third-par...	Not Defined
Microsoft network server: Amount of idle time required before sus...	Not Defined
Microsoft network server: Digitally sign communications (always)	Disabled
Microsoft network server: Digitally sign communications (if client a...	Enabled
Microsoft network server: Disconnect clients when logon hours ex...	Not Defined
Network access: Allow anonymous SID/Name translation	Not Defined
Network access: Do not allow anonymous enumeration of SAM acc...	Not Defined
Network access: Do not allow anonymous enumeration of SAM acc...	Not Defined
Network access: Do not allow storage of credentials or .NET Passp...	Not Defined
Network access: Let Everyone permissions apply to anonymous us...	Not Defined
Network access: Named Pipes that can be accessed anonymously	Not Defined

6 After 5 minutes, the following key in the Registry Editor:

`HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\parameters`

is automatically set to ‘0’(Disabled).



- kmixer
- KSecDD
- lanmanserver
  - AutotunedParameters
  - DefaultSecurity
  - Enum
  - Linkage
  - parameters
  - Security
  - Shares
- lanmanworkstation
- ldap
- LicenseInfo
- LicenseService

Name	Type	Data
(Default)	REG_SZ	(value not set)
autodisconnect	REG_DWORD	0x0000000f (15)
enableforcedlogoff	REG_DWORD	0x00000001 (1)
enablesecuritysignature	REG_DWORD	0x00000000 (0)
Guid	REG_BINARY	83 25 b2 a2 e4 e7 6c
Lmannounce	REG_DWORD	0x00000000 (0)
NullSessionPipes	REG_MULTI_SZ	COMNAP COMNODE
NullSessionShares	REG_MULTI_SZ	COMCFG DFS$
requiresecuritysignature	REG_DWORD	0x00000000 (0)
restrictnullsessaccess	REG_DWORD	0x00000001 (1)
ServiceDll	REG_EXPAND_SZ	%SystemRoot%\Sys
Size	REG_DWORD	0x00000003 (3)

My Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\lanmanserver\parameters

SMB destination hostname is limited to 14 characters for a NT based Océ TDS

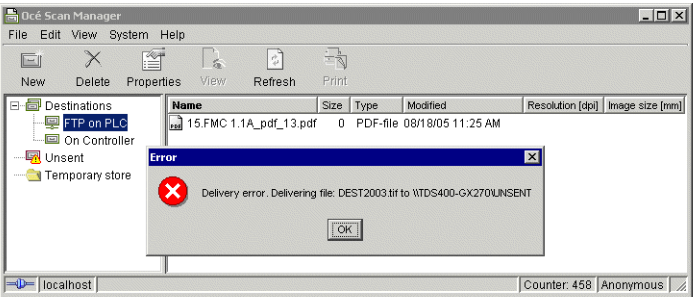
Issue Although hostname is limited to 15 characters by SMB specification, the Océ SMB client implemented in a NT based Océ TDS limits the hostname to 14 characters. Consequently it is impossible to create a SMB Scan-to-file destination using a 15 characters hostname.

Solution Upgrade your Océ TDS system to Océ TDS400 R1.4.4, Océ TDS600 R3.2.4, or Océ TDS800 R1.3.4. and higher to remove the 14 characters limitation.

Note: *The 15 characters hostname limitation will always exist since it is imposed by SMB specification.*

For a XPe based Océ TDS/TCS, a scanned file cannot be delivered via FTP to the 'jobs' folder of another Océ TDS/TCS

Issue For a XPe based Océ TDS/TCS system, it is possible to create a FTP Scan-to-file destination on the 'jobs' folder of another Océ TDS/TCS, but the scanned file is not delivered and the following error message pops up:



Name	Size	Type	Modified	Resolution [dpi]	Image size [mm]
15.FMC 1.1A_pdf_13.pdf	0	PDF-file	08/18/05 11:25 AM		

Delivery error. Delivering file: DEST2003.tif to \\TDS400-GX270\UNSENT

It is caused by a limitation of the FTP client implemented in the XPe based Océ TDS/TCS system.

Solution Upgrade your Océ TDS/TCS system to Océ TDS300 R1.0.3, Océ TDS400 R2.0.3, Océ TDS600 R4.0.3, Océ TDS800 R2.0.3, Océ TDS860 R1.0.1, Océ TCS400 R2.2.2 and later to remove the limitation.

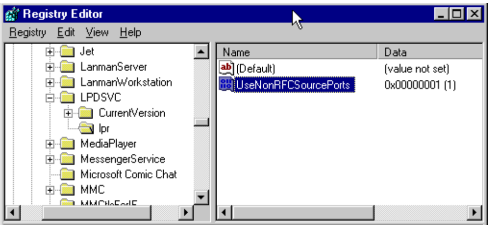
Note: *This limitation does not exist for NT based Océ TDS.*

How to prevent the LPR Print Server under Windows NT from pausing between print jobs

Issue In Windows NT 4.0 Service Pack 3 and later, the LPR protocol is limited by using TCP ports 721-731 by default. This can cause pausing between high volume print jobs since only 11 simultaneous connections from the Print Server to the Océ TDS/TCS are possible.

Solution You can bypass this limitation and improve the performance of the Print Server running under Windows NT 4.0 Service Pack 4 and later:

1. Start Registry Editor (Regedit.exe) and go to the following key:
   `HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\LPDSVC\lpr`
2. Delete the LPR key to remove all of the individual IP address entries.
3. Select the ‘LPDSVC’ key.
4. On the 'Edit' menu, click 'New', then 'Key' and enter the key name LPR.
5. Select the newly created LPR key.
6. On the 'Edit' menu, click 'New', then 'DWORD Value' and enter the value name ‘UseNonRFCSourcePorts’
7. Double click ‘UseNonRFCSourcePorts’ key and enter '1' in the 'Value data' field.



Name	Data
(Default)	(value not set)
UseNonRFCSourcePorts	0x00000001 (1)

8. Close Registry Editor.
9. Launch MS-DOS Command Prompt.
10. Type the command 'net stop spooler', then type 'net start spooler'. When the Spooler service restarted the changes to took effect.
11. Close MS-DOS Command Prompt.

Caution: *If you use Registry Editor incorrectly, you may cause serious problems that may require you to reinstall your operating system.*

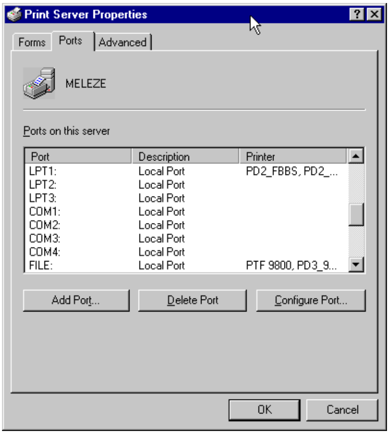
Note: *UseNonRFCSourcePorts setting has the following description:*

```
Value Name: UseNonRFCSourcePorts
Data Type: REG_DWORD
Value: 0 or 1
Value Type: Binary
0 = uses ports 721-731 (default)
1 = uses any port >1024
```

How to add a local port under Windows NT

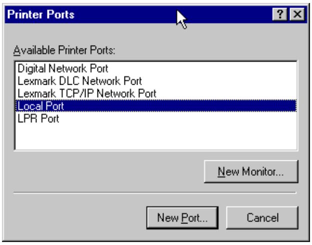
Only 3 LPT ports are available by default in Windows NT (LPT1:, LPT2:, LPT3:). Use the following steps if more virtual LPT ports are needed:

1. From Windows 'Start' menu, select 'Settings', 'Printers'.
2. Click 'File', 'Server properties'.
3. Select 'Ports', the following window appears:



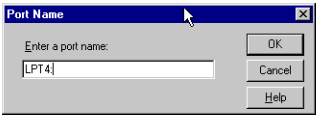
Port	Description	Printer
LPT1:	Local Port	PD2_FBBS, PD2_...
LPT2:	Local Port	
LPT3:	Local Port	
COM1:	Local Port	
COM2:	Local Port	
COM3:	Local Port	
COM4:	Local Port	
FILE:	Local Port	PTF 9800, PD3_9...

4. Click 'Add Port…', the window 'Printer Ports' appears:



Digital Network Port
Lexmark DLC Network Port
Lexmark TCP/IP Network Port
Local Port
LPR Port

5 Select 'Local Port' and click 'New Port…'.



LPT4:

6 Type the virtual LPT port name, e.g. 'LPT4:'.
7 Click 'OK' twice, then 'Close' and 'OK'.

How to define the default printing preferences for every user of a printer shared on a print server

When a Printer driver is installed and shared on a Print Server, the administrator can set the printing preferences so that all clients connected to that printer will default to:

~ **Change the driver Printing Preferences on a Windows NT4 print server**

1. From Windows 'Start' menu, select 'Settings', 'Printers'.
2. Right-click the printer for which you want to set the default printing preferences, and then select ‘Document Defaults’.
3. Define the default settings.
4. Validate.

~ **Change the driver Printing Preferences on a Windows 2000/XP/Server 2003 print server**

1. From Windows 'Start' menu, select 'Settings', 'Printers and Faxes'.
2. Right-click the printer for which you want to set the default printing preferences and select ‘Properties’.
3. On the ‘Advanced’ tab click the ‘Printing Defaults’ button.
4. Define the default settings.
5. Validate.

The changes made will be reflected on the connected print clients.

Attention: *On a Windows 2000/XP/Server 2003 print server, if you define the default settings in ‘Printer Preferences...’, they will be applied to the local computer only. They will not be the default settings for the client.*

Chapter 3
Citrix Metaframe / Windows Terminal Server environments

Introduction

This chapter describes the configurations of printing using WPD in a Windows Terminal Server® and/or Citrix Metaframe® TCP/IP environment:

- Printing on a printer defined in the local printer list of a Client WorkStation.
- Printing on a printer defined on the Windows Terminal Server or Citrix Metaframe Server
- Printing on a printer defined on an external Print Server.

Print on a printer defined in the local printer list of a client workstation

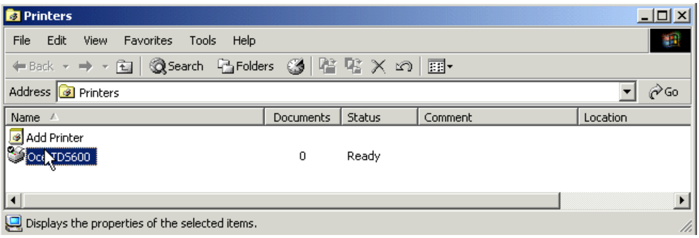
This section describes how to print on a local printer from an application running on:

- a Windows Terminal Server®
- a Citrix Metaframe Server®.

Prerequisite

Firstly install and setup a local printer on the client workstation (refer to the installation procedure described in the Driver User Manual to install the driver on the local client workstation - the Drivers User Manuals are available on www.oce.com).

At the end of the installation, the new printer appears on the workstation printer list (Océ TDS600 on the following example):



Name	Documents	Status	Comment	Location
Add Printer				
Océ TDS600	0	Ready		

Displays the properties of the selected items.

Use a local printer to print from an application running on a Windows Terminal Server®

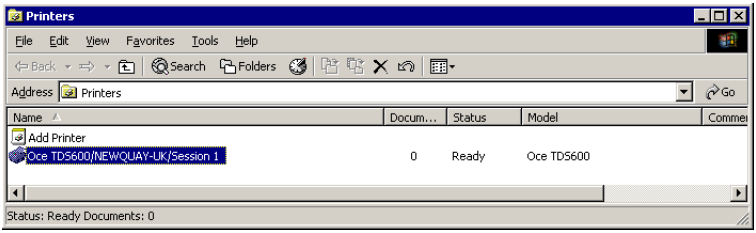
Note: *Not available when the client is running on a Windows NT4 Client Workstation.*

Note: *Not available when the application is running on a Windows NT4 Terminal Server (whatever the client OS is).*

Recommendation: To use the procedure below, install on the client workstation the latest ‘Remote Desktop Connection’ available on the Microsoft website (http://www.microsoft.com/windowsxp/pro/downloads/rdclientdl.asp).

~ **Use a local printer to print from an application running on a Windows Terminal Server**

1 Connect the client to the Windows 2000 Terminal Server or Windows Server 2003 Terminal Server by using the ‘Remote Desktop Connection’.
2 Open the ‘Printers (and faxes)’ window. On the list you find the Océ TDS600 printer you have previously defined on the client workstation (named ‘NEWQUAY-UK’ on the example) on the ‘Session 1’.

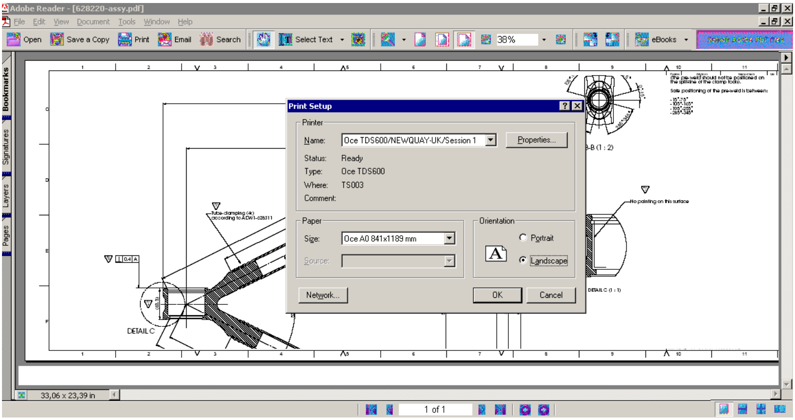


Address: Printers

Name	Docum...	Status	Model	Comme
Add Printer				
Oce TDS600/NEWQUAY-UK/Session 1	0	Ready	Oce TDS600	

Status: Ready Documents: 0

3 Run the remote application (e.g. Adobe Acrobat Reader 6.0®) on the server.
4 Print on the Océ TDS600:



Printer
Name: Oce TDS600/NEWQUAY-UK/Session 1
Status: Ready
Type: Oce TDS600
Where: TS003
Comment:

Paper
Size: Oce A0 841x1189 mm
Source:

Orientation
○ Portrait
● Landscape

Use a local printer to print from an application running on a Citrix Metaframe Server®

Note: *Available from any client platform.*

Note: *Available on any server platform running Citrix Metaframe XP.*

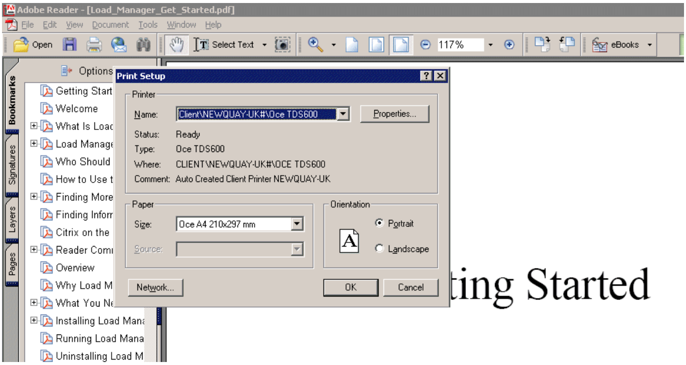
Prerequisite: To use the procedure below, you must install on the client workstation the ‘Citrix Program Neighborhood’ ICA connection (the procedure below uses the ‘Citrix Program Neighborhood’ revision 7.00.17534).

~ **Use a local printer to print from an application running on a Citrix Metaframe Server**

1 Connect the client to the Citrix Metaframe Server by using the ‘Citrix Program Neighborhood’

2 Run the remote application (e.g. Adobe Acrobat Reader 6.0®)

3 Print on the Océ TDS600 printer defined as ‘Client\NEWQUAY-UK#OceTDS600’ in the printer list:



Name: Client\NEWQUAY-UK#\Oce TDS600

Status: Ready

Type: Oce TDS600

Where: CLIENT\NEWQUAY-UK#\OCE TDS600

Comment: Auto Created Client Printer NEWQUAY-UK

Size: Oce A4 210x297 mm

Source:

● Portrait

○ Landscape

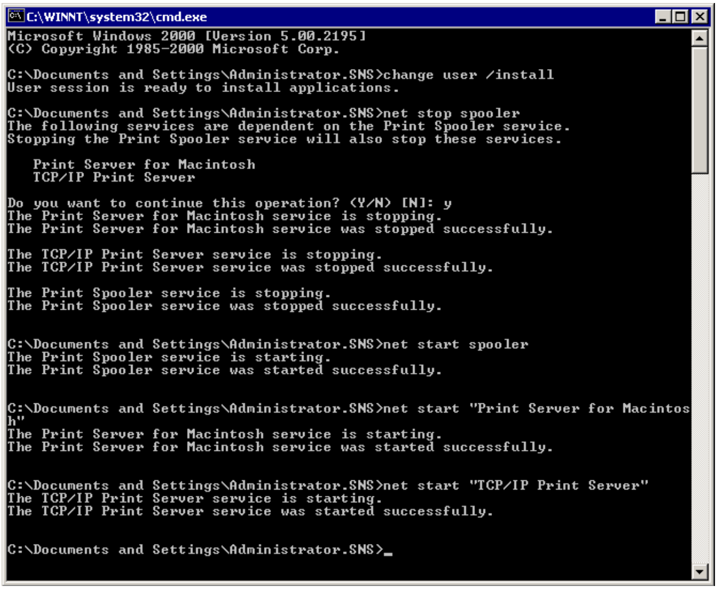
Print on a printer defined on a Windows Terminal Server or on a Citrix Metaframe Server

Install and setup a printer on a Windows Terminal Server or Citrix Metaframe Server

The installation procedure is the same for Windows NT4 Terminal Server, Windows 2000 Terminal Server, Windows Server 2003 Terminal Server and Citrix Metaframe Server.

Note: *This procedure describes the installation of the Océ TDS600 printer using the Océ Windows Printer Driver (WPD 1.7).*

1. Log on to the server as the Administrator,
2. Open a ‘Command’ window,
3. Change the user mode to ‘install’,
4. ‘Stop’ and ‘start’ the printer spooler:



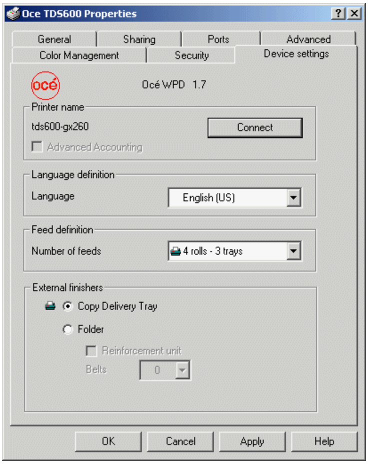
```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\Documents and Settings\Administrator.SNS>change user /install
User session is ready to install applications.

C:\Documents and Settings\Administrator.SNS>net stop spooler
The following services are dependent on the Print Spooler service.
Stopping the Print Spooler service will also stop these services.

   Print Server for Macintosh
   TCP/IP Print Server

Do you want to continue this operation? (Y/N) [N]: y
The Print Server for Macintosh service is stopping.
The Print Server for Macintosh service was stopped successfully.

The TCP/IP Print Server service is stopping.
The TCP/IP Print Server service was stopped successfully.

The Print Spooler service is stopping.
The Print Spooler service was stopped successfully.


C:\Documents and Settings\Administrator.SNS>net start spooler
The Print Spooler service is starting.
The Print Spooler service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "Print Server for Macintos
h"
The Print Server for Macintosh service is starting.
The Print Server for Macintosh service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "TCP/IP Print Server"
The TCP/IP Print Server service is starting.
The TCP/IP Print Server service was started successfully.


C:\Documents and Settings\Administrator.SNS>_
```

5 To install the printer on the server, follow the procedure described in the section ‘Peer to peer configuration’ on page 54.

Note: *Install the printer locally in the Citrix Metaframe or Windows Terminal Server by using the LPR protocol. Do not share the printer.*

6 To setup the printer, access the printer ‘Properties’ (by a right click on the Océ TDS600 printer in the ‘Printers (and faxes)’ window)

7 Initialize the backchannel (see the WPD User Manual):



Oce TDS600 Properties

Océ WPD 1.7

Printer name: tds600-gx260

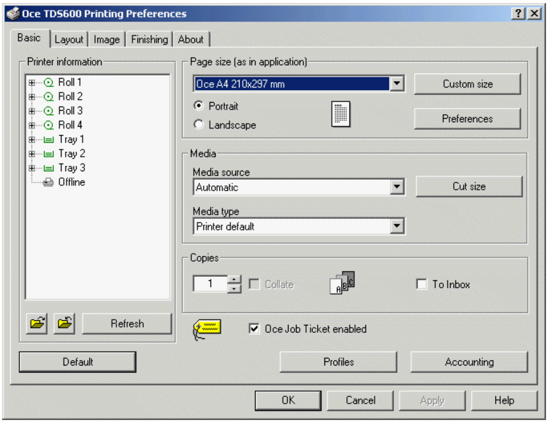
☐ Advanced Accounting

Language definition — Language: English (US)

Feed definition — Number of feeds: 4 rolls - 3 trays

External finishers:
● Copy Delivery Tray
○ Folder
☐ Reinforcement unit
Belts: 0

8 Setup the ‘Printing preferences...’ (see the WPD user Manual):



Oce TDS600 Printing Preferences

Printer information:
Roll 1
Roll 2
Roll 3
Roll 4
Tray 1
Tray 2
Tray 3
Offline

Page size (as in application): Oce A4 210x297 mm
● Portrait
○ Landscape

Media source: Automatic

Media type: Printer default

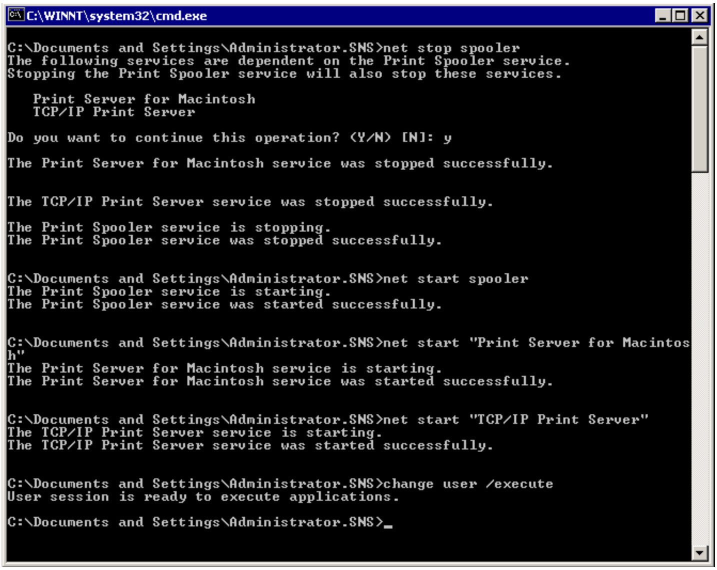
Copies: 1 ☐ Collate ☐ To Inbox

☑ Oce Job Ticket enabled

9 Open a ‘Command’ window,

10 Change the user mode to ‘execute’,

11 Stop and start the printer spooler:



```
C:\Documents and Settings\Administrator.SNS>net stop spooler
The following services are dependent on the Print Spooler service.
Stopping the Print Spooler service will also stop these services.

   Print Server for Macintosh
   TCP/IP Print Server

Do you want to continue this operation? (Y/N) [N]: y

The Print Server for Macintosh service was stopped successfully.


The TCP/IP Print Server service was stopped successfully.

The Print Spooler service is stopping.
The Print Spooler service was stopped successfully.


C:\Documents and Settings\Administrator.SNS>net start spooler
The Print Spooler service is starting.
The Print Spooler service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "Print Server for Macintos
h"
The Print Server for Macintosh service is starting.
The Print Server for Macintosh service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "TCP/IP Print Server"
The TCP/IP Print Server service is starting.
The TCP/IP Print Server service was started successfully.


C:\Documents and Settings\Administrator.SNS>change user /execute
User session is ready to execute applications.

C:\Documents and Settings\Administrator.SNS>_
```

Use the defined printer to print from an application running on a Windows Terminal Server

Note: *Available from any client platform.*

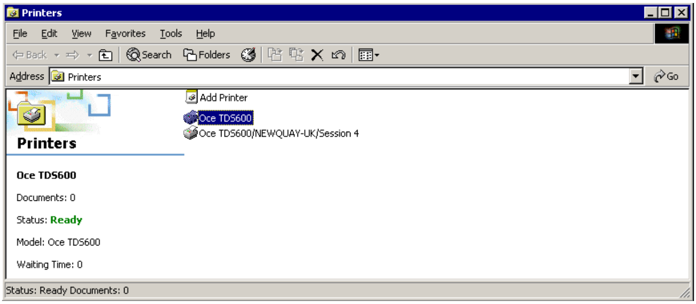
Note: *Available on any server platform running Windows Terminal Server (NT4, 2000 and Server 2003)*

Recommendation: To use the procedure below, install on the client workstation the latest ‘Remote Desktop Connection’ available on the Microsoft website (http://www.microsoft.com/windowsxp/pro/downloads/rdclientdl.asp).

~ Use the defined printer to print from an application running on a Windows Terminal Server

1 Connect to the Windows NT4 Terminal Server, Windows 2000 Terminal Server or Windows Server 2003 Terminal Server by using the ‘Remote Desktop Connection’,

2 Open the ‘Printers (and faxes)’ window. On the list you find the Océ TDS600 printer you have previously defined on the server:



Add Printer
Oce TDS600
Oce TDS600/NEWQUAY-UK/Session 4

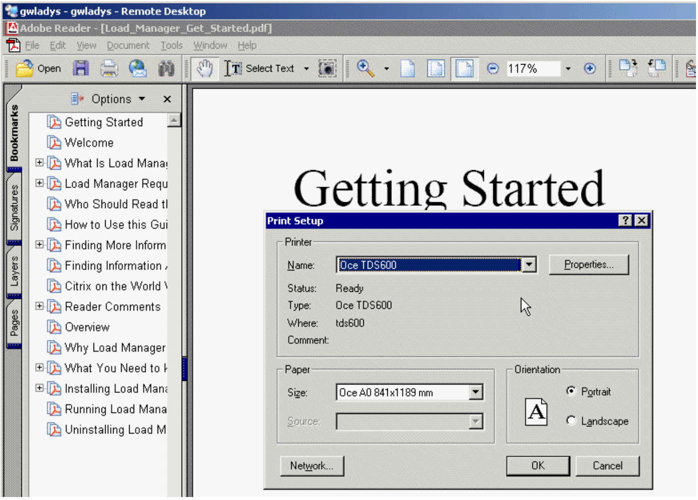
Oce TDS600
Documents: 0
Status: Ready
Model: Oce TDS600
Waiting Time: 0

Status: Ready Documents: 0

3 Run the remote application (e.g. Adobe Acrobat Reader 6.0®),

4 Print on the Océ TDS600 printer defined:

Use



Printer
Name: Oce TDS600
Status: Ready
Type: Oce TDS600
Where: tds600
Comment:

Paper
Size: Oce A0 841x1189 mm
Source:

Orientation
● Portrait
○ Landscape

Use the defined printer to print from an application running on a Citrix Metaframe Server®

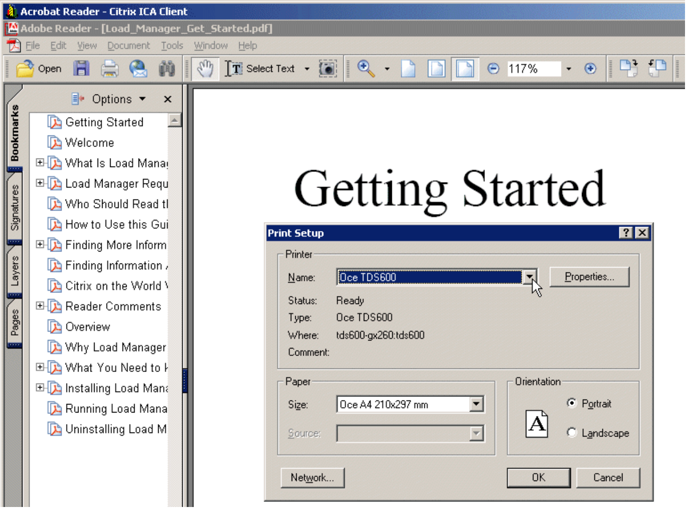
Note: *Available from any client platform.*

Note: *Available on any server platform running Citrix Metaframe XP.*

Prerequisite: To use the procedure below, you must install on the client workstation the ‘Citrix Program Neighborhood’ ICA connection (the procedure below uses the ‘Citrix Program Neighborhood’ revision 7.00.17534).

~ **Use the defined printer to print from an application running on a Citrix Metaframe Server**

1. Connect to the Citrix Metaframe Server using the ‘Citrix Program Neighborhood’,
2. Run the remote application (e.g. Adobe Acrobat Reader 6.0®),
3. Print on the Océ TDS600 printer you have previously defined on the server:



Printer

Name: Oce TDS600

Status: Ready

Type: Oce TDS600

Where: tds600-gx260:tds600

Comment:

Paper

Size: Oce A4 210x297 mm

Source:

Orientation

● Portrait

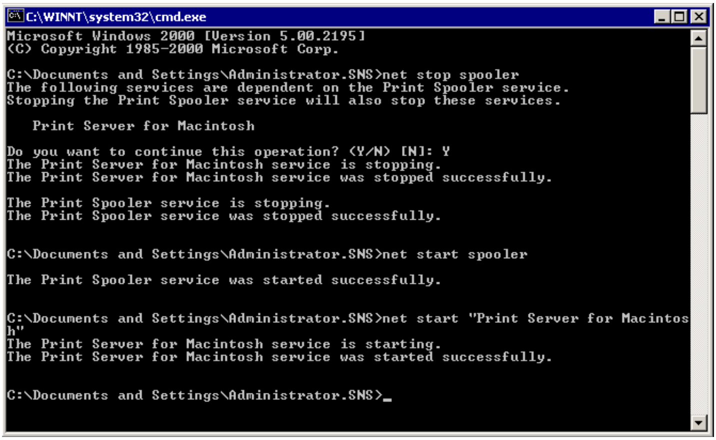
○ Landscape

Print on a printer defined on an external Print Server

Note: *This feature is available only for a Citrix Metaframe Client.*

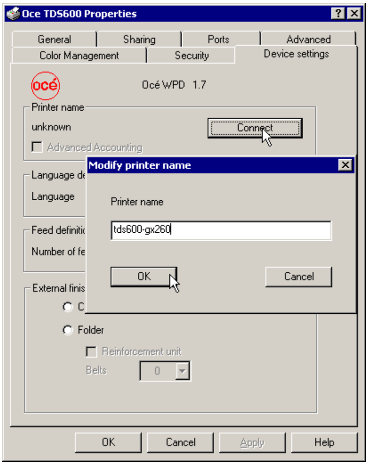
Install and setup the printer on a Windows Print Server

1. Log on to the server as the Administrator,
2. Open a ‘Command’ window,
3. Stop and start the printer spooler:



```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\Documents and Settings\Administrator.SNS>net stop spooler
The following services are dependent on the Print Spooler service.
Stopping the Print Spooler service will also stop these services.

   Print Server for Macintosh

Do you want to continue this operation? (Y/N) [N]: Y
The Print Server for Macintosh service is stopping.
The Print Server for Macintosh service was stopped successfully.

The Print Spooler service is stopping.
The Print Spooler service was stopped successfully.


C:\Documents and Settings\Administrator.SNS>net start spooler

The Print Spooler service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "Print Server for Macintos
h"
The Print Server for Macintosh service is starting.
The Print Server for Macintosh service was started successfully.


C:\Documents and Settings\Administrator.SNS>_
```

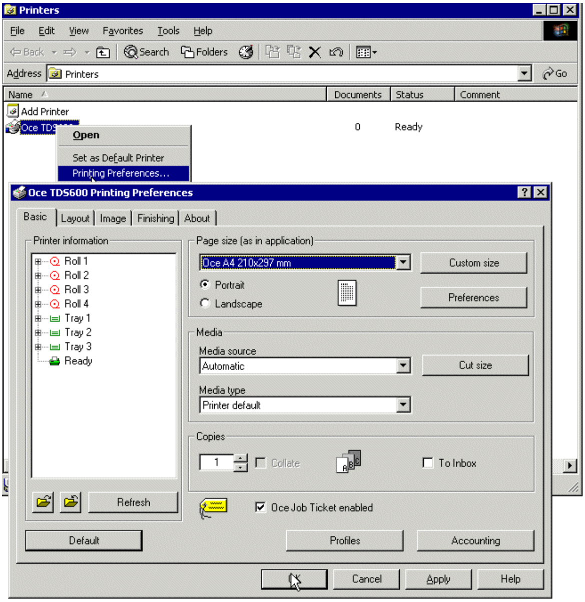
4. Install the printer following the procedure described in the section ‘Install the print server (using the LPR printing protocol)’ on page 42.
5. To setup the printer, initialize the backchannel (selecting the printer ‘Properties’):



Printer name: unknown

Modify printer name – Printer name: tds600-gx260

6 Setup the ‘Printing preferences’ (selecting the ‘Printing Preferences...’)



Oce TDS — Documents: 0 — Status: Ready

Page size (as in application): Oce A4 210x297 mm

● Portrait

○ Landscape

Media source: Automatic

Media type: Printer default

Copies: 1

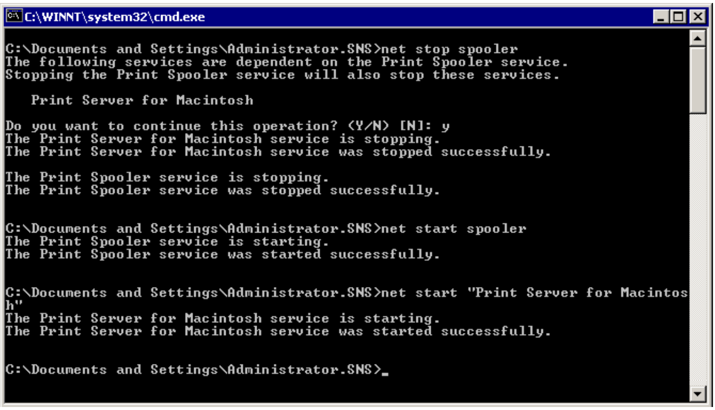
☐ Collate

☐ To Inbox

☑ Oce Job Ticket enabled

7 Open a ‘Command’ window,

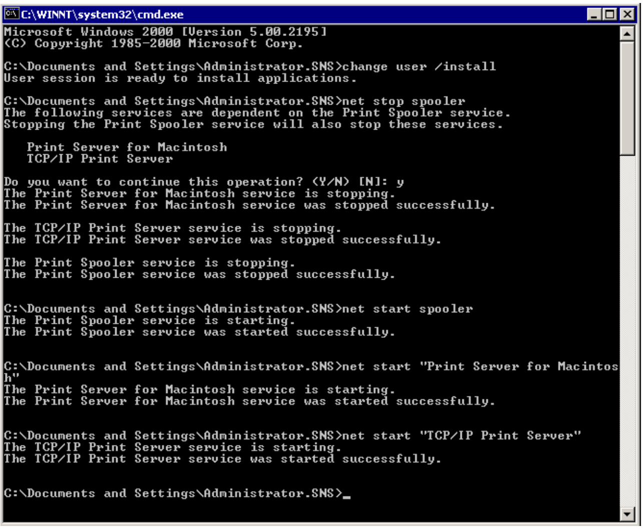
8 Stop and start the printer spooler:



```
C:\Documents and Settings\Administrator.SNS>net stop spooler
The following services are dependent on the Print Spooler service.
Stopping the Print Spooler service will also stop these services.

   Print Server for Macintosh

Do you want to continue this operation? (Y/N) [N]: y
The Print Server for Macintosh service is stopping.
The Print Server for Macintosh service was stopped successfully.

The Print Spooler service is stopping.
The Print Spooler service was stopped successfully.


C:\Documents and Settings\Administrator.SNS>net start spooler
The Print Spooler service is starting.
The Print Spooler service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "Print Server for Macintos
h"
The Print Server for Macintosh service is starting.
The Print Server for Macintosh service was started successfully.


C:\Documents and Settings\Administrator.SNS>_
```

Install the printer driver on the Citrix Metaframe Server

1. Log on to the server as the Administrator,
2. Open a ‘Command’ window,
3. Change the user mode to ‘install’,
4. Stop and start the printer spooler:

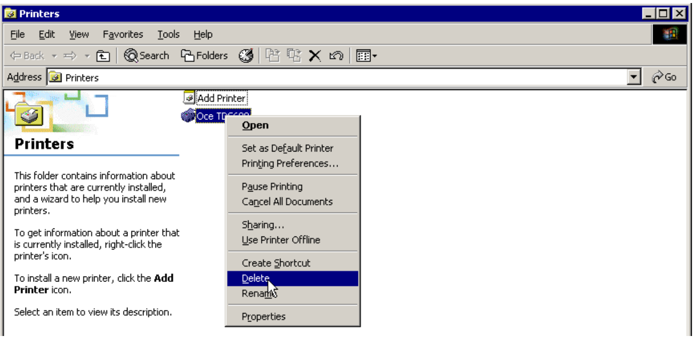


```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\Documents and Settings\Administrator.SNS>change user /install
User session is ready to install applications.

C:\Documents and Settings\Administrator.SNS>net stop spooler
The following services are dependent on the Print Spooler service.
Stopping the Print Spooler service will also stop these services.

   Print Server for Macintosh
   TCP/IP Print Server

Do you want to continue this operation? (Y/N) [N]: y
The Print Server for Macintosh service is stopping.
The Print Server for Macintosh service was stopped successfully.

The TCP/IP Print Server service is stopping.
The TCP/IP Print Server service was stopped successfully.

The Print Spooler service is stopping.
The Print Spooler service was stopped successfully.


C:\Documents and Settings\Administrator.SNS>net start spooler
The Print Spooler service is starting.
The Print Spooler service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "Print Server for Macintos
h"
The Print Server for Macintosh service is starting.
The Print Server for Macintosh service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "TCP/IP Print Server"
The TCP/IP Print Server service is starting.
The TCP/IP Print Server service was started successfully.


C:\Documents and Settings\Administrator.SNS>_
```

5. To install the printer driver locally on the Citrix Metaframe Server, follow the procedure described in the section ‘Peer to peer configuration’ on page 54.

Note: *Install the printer locally in the Citrix Metaframe by using the LPR protocol. Do not share the printer.*

6 Remove the printer from the ‘Printers (and faxes)’ list:



This folder contains information about printers that are currently installed, and a wizard to help you install new printers.

To get information about a printer that is currently installed, right-click the printer's icon.

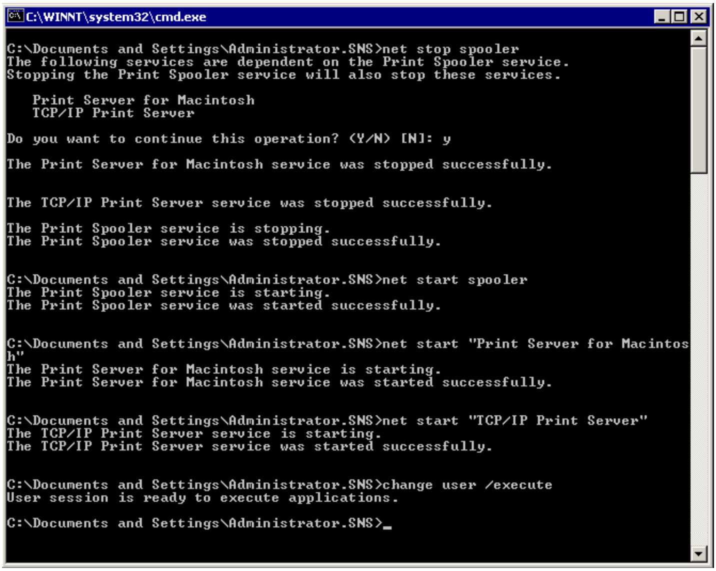
To install a new printer, click the **Add Printer** icon.

Select an item to view its description.

7 Open a ‘Command’ window,

8 Change the user mode to ‘execute’,

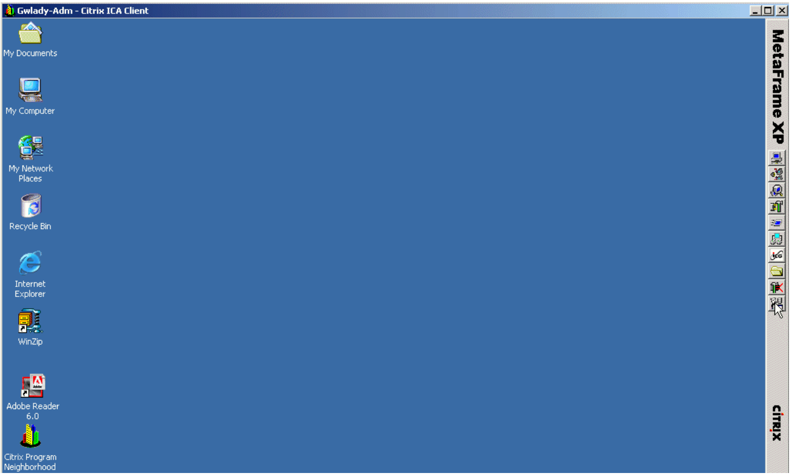
9 Stop and start the printer spooler:



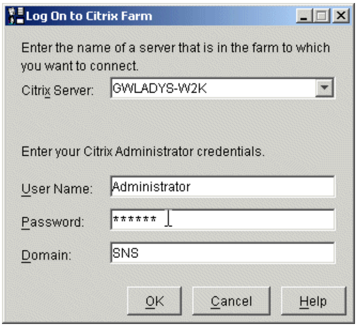
```
C:\Documents and Settings\Administrator.SNS>net stop spooler
The following services are dependent on the Print Spooler service.
Stopping the Print Spooler service will also stop these services.

   Print Server for Macintosh
   TCP/IP Print Server

Do you want to continue this operation? (Y/N) [N]: y

The Print Server for Macintosh service was stopped successfully.


The TCP/IP Print Server service was stopped successfully.

The Print Spooler service is stopping.
The Print Spooler service was stopped successfully.


C:\Documents and Settings\Administrator.SNS>net start spooler
The Print Spooler service is starting.
The Print Spooler service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "Print Server for Macintos
h"
The Print Server for Macintosh service is starting.
The Print Server for Macintosh service was started successfully.


C:\Documents and Settings\Administrator.SNS>net start "TCP/IP Print Server"
The TCP/IP Print Server service is starting.
The TCP/IP Print Server service was started successfully.


C:\Documents and Settings\Administrator.SNS>change user /execute
User session is ready to execute applications.

C:\Documents and Settings\Administrator.SNS>_
```

Install the network printer (setup on the Print Server) in the Citrix Farm to be used by the Citrix Clients

1. Log on to the Citrix Metaframe Server as the Citrix Administrator,
2. Launch the ‘Citrix Management Console’ application:



3. Log on to Citrix Farm:



Enter the name of a server that is in the farm to which you want to connect.

Citrix Server: GWLADYS-W2K

Enter your Citrix Administrator credentials.

User Name: Administrator

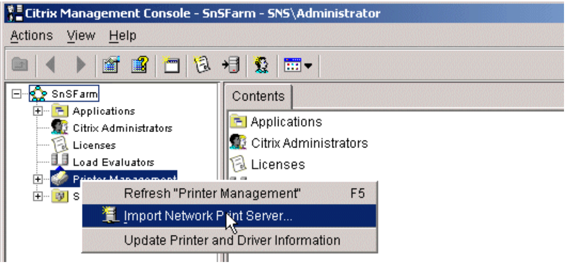
Password: ******

Domain: SNS

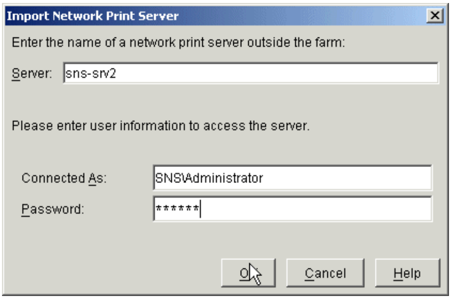
4. Follow the procedure below to declare the printer on the Citrix Farm, in order enable the Citrix clients to use it.

~ **Declare the printer (setup on the Print Server) on the Citrix Farm**

1 In the Citrix Management Console, right-click on ‘Printer Management’ and select ‘Import Network Print Server...’:


Citrix Management Console - SnSFarm - SNS\Administrator
Actions View Help
SnSFarm
Applications
Citrix Administrators
Licenses
Load Evaluators
Printer Management
S
Contents
Applications
Citrix Administrators
Licenses
Refresh "Printer Management" F5
Import Network Print Server...
Update Printer and Driver Information

2 Log on to the Print Server:



Enter the name of a network print server outside the farm:

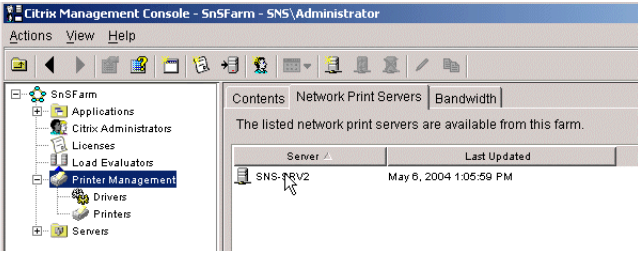
Server: sns-srv2

Please enter user information to access the server.

Connected As: SNS\Administrator

Password: ******

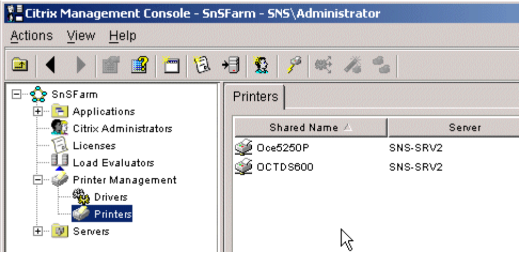
The Print Server appears in the ‘Network Print Servers’ list:



The listed network print servers are available from this farm.

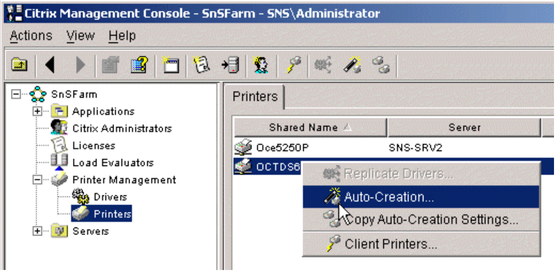
Server	Last Updated
SNS-SRV2	May 6, 2004 1:05:59 PM

The printer appears in the ‘Printers’ list:

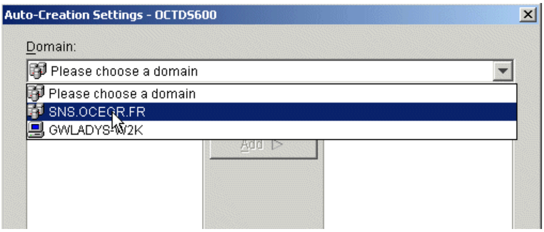


Shared Name	Server
Oce5250P	SNS-SRV2
OCTDS600	SNS-SRV2

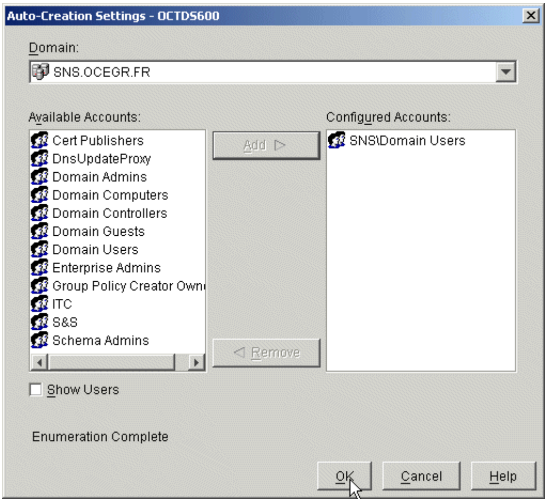
3 To setup the network printer to enable the printing from Citrix Clients, launch the ‘Auto-Creation...’ wizard:



4 Select the domain on which you want to declare the network printer:



5 Add the users allowed to access the printer:



Domain: SNS.OCEGR.FR

Configured Accounts: SNS\Domain Users

Enumeration Complete

6 Click ‘OK’ to validate,

7 Exit the Citrix Management Console.

Use the defined printer to print from an application running on a Citrix Metaframe Server

Note: *Available from any client platform.*

Note: *Available on any server platform running Citrix Metaframe XP.*

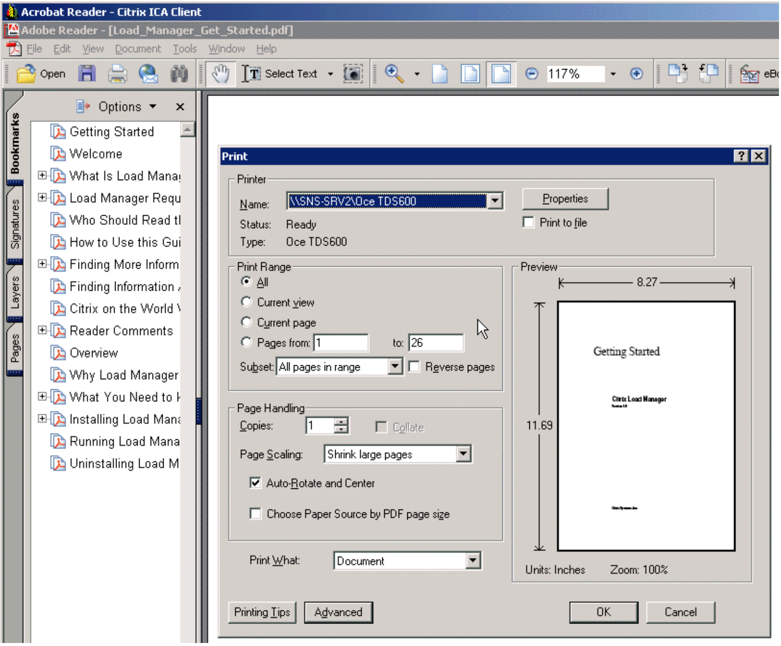
Prerequisite: To use the procedure below, you must install on the client workstation the ‘Citrix Program Neighborhood’ ICA connection (the procedure below uses the ‘Citrix Program Neighborhood’ revision 7.00.17534).

~ **Use the defined printer to print from an application running on a Citrix Metaframe Server**

1 Connect to the Citrix Metaframe Server using the ‘Citrix Program Neighborhood’,

2 Run the remote application (e.g. Adobe Acrobat Reader 6.0®),

3 Print on the Océ TDS600 printer (previously defining) appearing as ‘\\SNS-SRV2\Oce TDS600’:



Printer

Name: \\SNS-SRV2\Oce TDS600

Status: Ready

Type: Oce TDS600

☐ Print to file

Print Range

● All

○ Current view

○ Current page

○ Pages from: 1 to: 26

Subset: All pages in range ☐ Reverse pages

Page Handling

Copies: 1 ☐ Collate

Page Scaling: Shrink large pages

☑ Auto-Rotate and Center

☐ Choose Paper Source by PDF page size

Print What: Document

Preview

8.27

11.69

Units: Inches Zoom: 100%

Chapter 4
Novell Environment

This chapter describes how to setup the Océ controller to make it work in a Novell environment.

Introduction

There are 2 methods to print on TDS/TCS in a Novell environment:

- using Novell® Queue Based Network Printing (traditional or legacy implementation of print services provided through NetWare®.)

Note: *This method is available on Netware® 3.X, 4.X, 5.X, 6.*

- using Novell® Distributed Print Services® (NDPS®), the default print system in NetWare® 5 and NetWare® 6.

This chapter describes how to setup the customer environment to print on an Océ TDS/TCS with one of these methods.

Examples given are extracted from different installation processes (TDS400, TDS600, TDS800 and TCS400) but they can apply to all printers models.

References

For more details, please refer to the Novell administration guides:

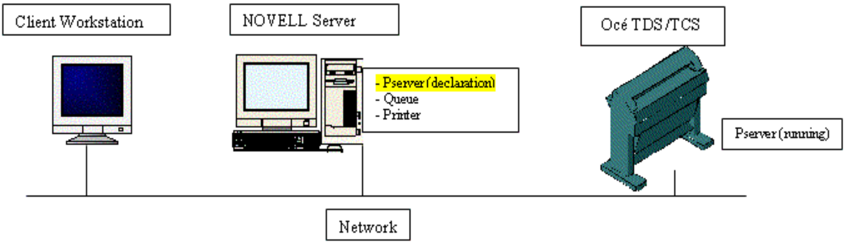
- For Queue Based Printing:
http://www.novell.com/documentation/lg/nw51/pdfdoc/10412291.pdf

- For NDPS:
http://www.novell.com/documentation/lg/nw6p/pdfdoc/ndps_enu/ndps_enu.pdf

PSERVER Setup

Queue Based Printing

A Print Server running on the TDS/TCS controller connects to a Novell Server. A client sends jobs to a queue on the Novell Server. The Océ TDS/TCS controller Print Server which regularly requests jobs to the Novell Server (polling mode) retrieves those jobs and prints them.



[6] Overview of Queue based Printing

Configuration

You need to configure not only the Client Workstation and the Océ TDS/TCS but also the Novell Server in order to establish the connection between the Océ ‘Print Server’ (on Océ TDS/TCS printer controller) and the Novell server.

Note: *The Peer-to-Peer connection does not exist on IPX/SPX protocol.*

~ **Set up the environment**

1 Setup the Océ TDS/TCS Controller, and DO NOT reboot it.
2 Setup the end user environment (Novell Server).
3 Reboot the Océ TDS/TCS Controller.
4 Check Océ TDS/TCS Print Server status on Novell Server.
5 Setup the client workstation (driver installation).
6 Print a test page to check the setup is correct.

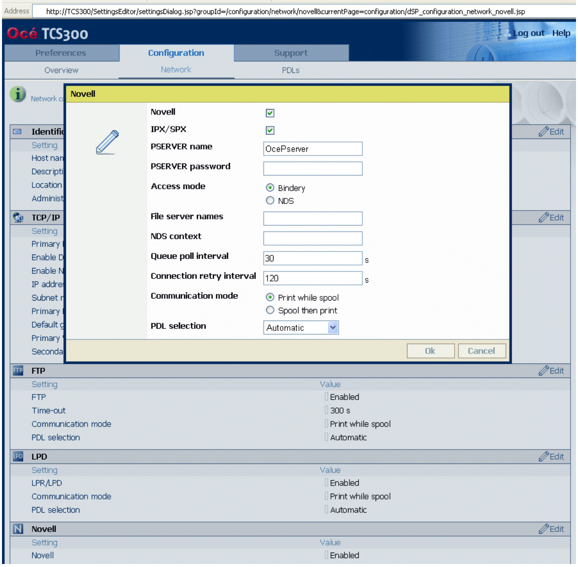
Note: *These steps are described in the following sections.*

Controller Setup

In order to run into an IPX/SPX Environment, some parameters have to be setup:

- enable Novell protocol
- setup Pserver Name & Password
- setup Bindery Access Mode or NDS Access Mode
- setup the preferred file servers

Note: *On Océ TCS300 controller, define the same Novell settings through the Océ Settings Editor (in a web browser). The Novell settings are available in the 'Network' section of the 'Configuration' tab.*



http://TCS300/SettingsEditor/settingsDialog.jsp?groupId=/configuration/network/novell&currentPage=configuration/dSP_configuration_network_novell.jsp

Novell

Novell ☑
IPX/SPX ☑
PSERVER name: OcePserver
PSERVER password:
Access mode: ● Bindery ○ NDS
File server names:
NDS context:
Queue poll interval: 30 s
Connection retry interval: 120 s
Communication mode: ● Print while spool ○ Spool then print
PDL selection: Automatic

FTP

Setting	Value
FTP	Enabled
Time-out	300 s
Communication mode	Print while spool
PDL selection	Automatic

LPD

Setting	Value
LPR/LPD	Enabled
Communication mode	Print while spool
PDL selection	Automatic

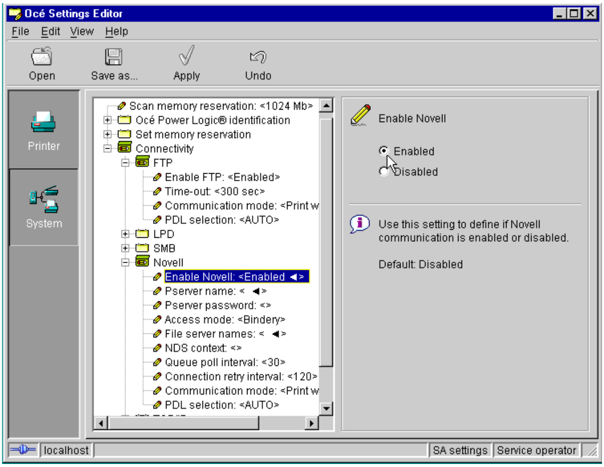
Novell

Setting	Value
Novell	Enabled

~ **Enable the IPX/SPX Novell protocol.**

Note: *You MUST be logged as a ‘System Administrator’.*

1 Switch the Océ Settings Editor in SA Mode (see ‘Switch the Océ Settings Editor in SA Mode’ on page 263).
2 Expand the ‘Connectivity’ Folder.
3 Expand the ‘Novell’ folder.
4 Select ‘Enable Novell’ document.
5 Select ‘Enable’ on the right window (‘Enable Novell’).



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
FTP
Enable FTP: <Enabled>
Time-out: <300 sec>
Communication mode: <Print w
PDL selection: <AUTO>
LPD
SMB
Novell
Enable Novell: <Enabled >
Pserver name: < >
Pserver password: <>
Access mode: <Bindery>
File server names: < >
NDS context: <>
Queue poll interval: <30>
Connection retry interval: <120>
Communication mode: <Print w
PDL selection: <AUTO>

Enable Novell

● Enabled
○ Disabled

Use this setting to define if Novell communication is enabled or disabled.

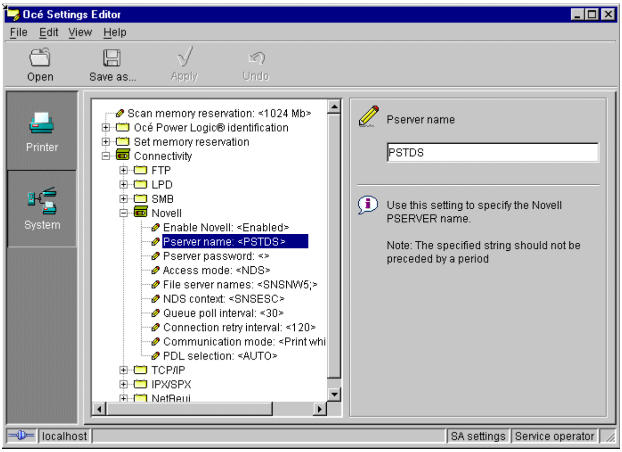
Default: Disabled

6 Click ‘Apply’.
7 Setup the other parameters.
8 Once all setups are done, configure Novell server BEFORE rebooting the controller (see ‘Reboot the controller’ on page 265).

~ Setup the Print Server Name (PSERVER)

Note: *You MUST be logged as a 'System Administrator'.*

1 Switch the Océ Settings Editor in SA Mode (see 'Switch the Océ Settings Editor in SA Mode' on page 263).
2 Expand the 'Connectivity' Folder.
3 Expand the 'Novell' folder.
4 Select 'Pserver name' document.
5 Type in the Print Server name into the input field in the right window ('Pserver name'):



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
  FTP
  LPD
  SMB
  Novell
    Enable Novell: <Enabled>
    Pserver name: <PSTDS>
    Pserver password: <>
    Access mode: <NDS>
    File server names: <SNSNW5;>
    NDS context: <SNSESC>
    Queue poll interval: <30>
    Connection retry interval: <120>
    Communication mode: <Print whi
    PDL selection: <AUTO>
  TCP/IP
  IPX/SPX
  NetBeui

Pserver name

PSTDS

Use this setting to specify the Novell PSERVER name.

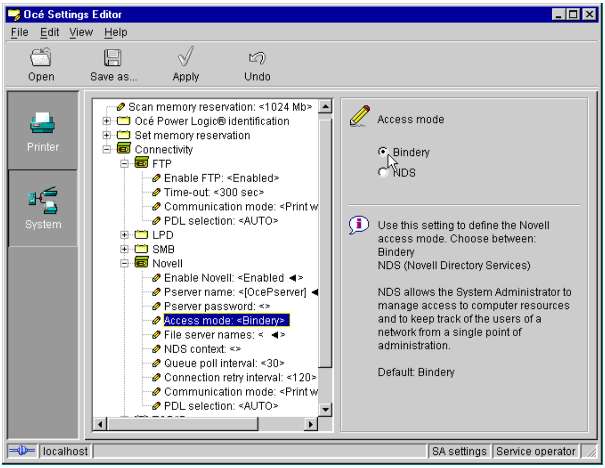
Note: The specified string should not be preceded by a period

6 Click 'Apply'.
7 Setup the other parameters.
8 Once all setups are done, configure Novell server BEFORE rebooting the controller (see 'Reboot the controller' on page 265).

~ Setup the controller to work in Bindery Access Mode

Note: *You MUST be logged as a 'System Administrator'.*

1 Switch the Océ Settings Editor in SA Mode (see 'Switch the Océ Settings Editor in SA Mode' on page 263).
2 Expand the 'Connectivity' Folder.
3 Expand the 'Novell' folder.
4 Select 'Access Mode' document.
5 Select 'Bindery' on the right window ('Access Mode'):



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
FTP
Enable FTP: <Enabled>
Time-out: <300 sec>
Communication mode: <Print w
PDL selection: <AUTO>
LPD
SMB
Novell
Enable Novell: <Enabled ◄>
Pserver name: <[OcePserver] ◄
Pserver password: <>
Access mode: <Bindery>
File server names: < ◄>
NDS context: <>
Queue poll interval: <30>
Connection retry interval: <120>
Communication mode: <Print w
PDL selection: <AUTO>

Access mode

● Bindery
○ NDS

Use this setting to define the Novell access mode. Choose between:
Bindery
NDS (Novell Directory Services)

NDS allows the System Administrator to manage access to computer resources and to keep track of the users of a network from a single point of administration.

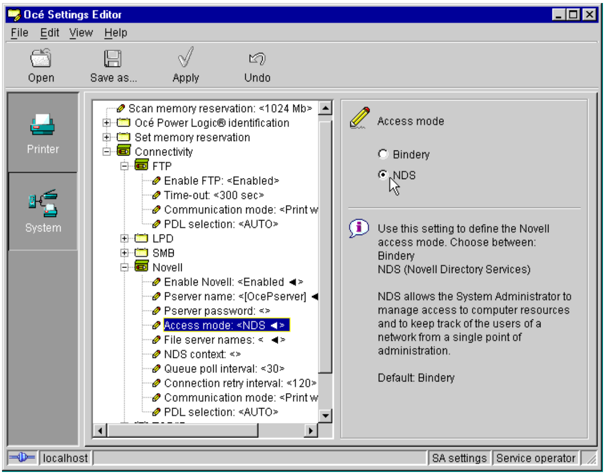
Default: Bindery

6 Click 'Apply'.
7 Setup the other parameters.
8 Once all setups are done, configure Novell server BEFORE rebooting the controller (see 'Reboot the controller' on page 265).

~ Setup the controller to work in NDS Access Mode

Note: *You MUST be logged as a 'System Administrator'.*

1 Switch the Océ Settings Editor in SA Mode (see 'Switch the Océ Settings Editor in SA Mode' on page 263).
2 Expand the 'Connectivity' Folder.
3 Expand the 'Novell' folder.
4 Select 'Access Mode' document.
5 Select 'NDS' on the right window ('Access Mode'):



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
FTP
Enable FTP: <Enabled>
Time-out: <300 sec>
Communication mode: <Print w
PDL selection: <AUTO>
LPD
SMB
Novell
Enable Novell: <Enabled ◄>
Pserver name: <[OcePserver] ◄
Pserver password: <>
Access mode: <NDS ◄>
File server names: < ◄>
NDS context: <>
Queue poll interval: <30>
Connection retry interval: <120>
Communication mode: <Print w
PDL selection: <AUTO>

Access mode

○ Bindery
● NDS

Use this setting to define the Novell access mode. Choose between:
Bindery
NDS (Novell Directory Services)

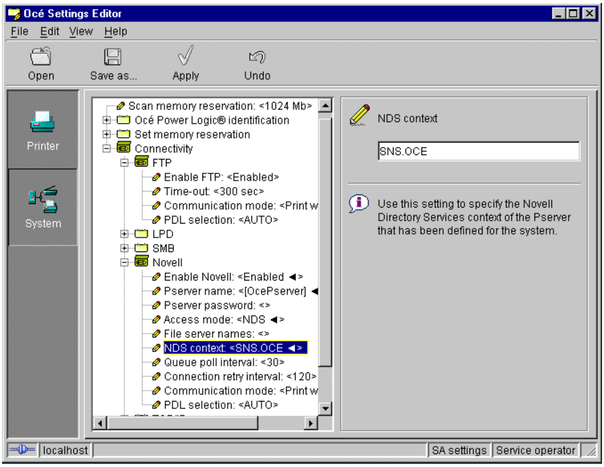
NDS allows the System Administrator to manage access to computer resources and to keep track of the users of a network from a single point of administration.

Default: Bindery

localhost | SA settings | Service operator

6 In the Novell folder, select 'NDS Context' document.
7 Type in the context where the TDS/TCS will be installed (Ex: SNSESC) into the input field in the right window ('NDS Context').

Here are different NDS context examples you can set in this field:
NDS context: SNSESC
NDS context: SNS.OCE
NDS context: OU=SNS.O=OCE
NDS context: OU=SNS.O=OCE.C=FR
(see ‘Queue Based Printing Troubleshooting’ on page 211).



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
FTP
Enable FTP: <Enabled>
Time-out: <300 sec>
Communication mode: <Print w
PDL selection: <AUTO>
LPD
SMB
Novell
Enable Novell: <Enabled ◄>
Pserver name: <[OcePserver] ◄
Pserver password: <>
Access mode: <NDS ◄>
File server names: <>
NDS context: <SNS.OCE ◄>
Queue poll interval: <30>
Connection retry interval: <120>
Communication mode: <Print w
PDL selection: <AUTO>

NDS context

SNS.OCE

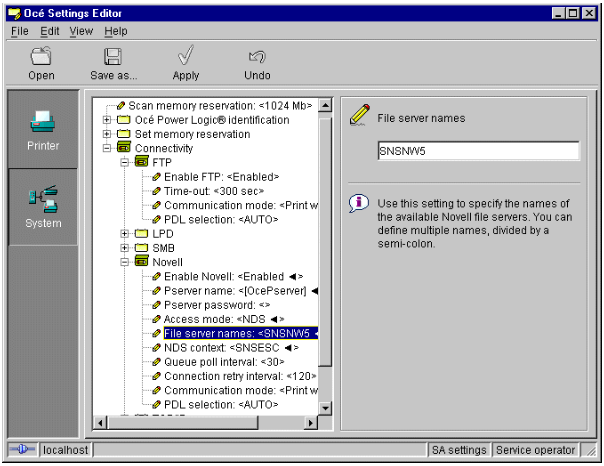
Use this setting to specify the Novell Directory Services context of the Pserver that has been defined for the system.

8 Click ‘Apply’.
9 Setup the other parameters.
10 Once all setups are done, configure Novell server BEFORE rebooting the controller (see‘Reboot the controller’ on page 265).

~ **Setup the Novell File servers which the printer connects to.**

Note: *You MUST be logged as a ‘System Administrator’.*

1 Switch the Océ Settings Editor in SA Mode (see‘Switch the Océ Settings Editor in SA Mode’ on page 263).
2 Expand the ‘Connectivity’ Folder.
3 Expand the ‘Novell’ folder.
4 Select ‘File server names’ document.
5 Type in the names of the Novell File Server(s) to which this printer will be connected using the ‘;’ as separator whether more than one Server is specified (Ex: ‘SNSNW5’ or ‘SPSNW4;SNSNW5’) into the input field in the right window (‘File server names’).



- Scan memory reservation: <1024 Mb>
- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
    - Enable FTP: <Enabled>
    - Time-out: <300 sec>
    - Communication mode: <Print w
    - PDL selection: <AUTO>
  - LPD
  - SMB
  - Novell
    - Enable Novell: <Enabled ◄>
    - Pserver name: <[OcePserver] ◄
    - Pserver password: <>
    - Access mode: <NDS ◄>
    - File server names: <SNSNW5 ◄
    - NDS context: <SNSESC ◄>
    - Queue poll interval: <30>
    - Connection retry interval: <120>
    - Communication mode: <Print w
    - PDL selection: <AUTO>

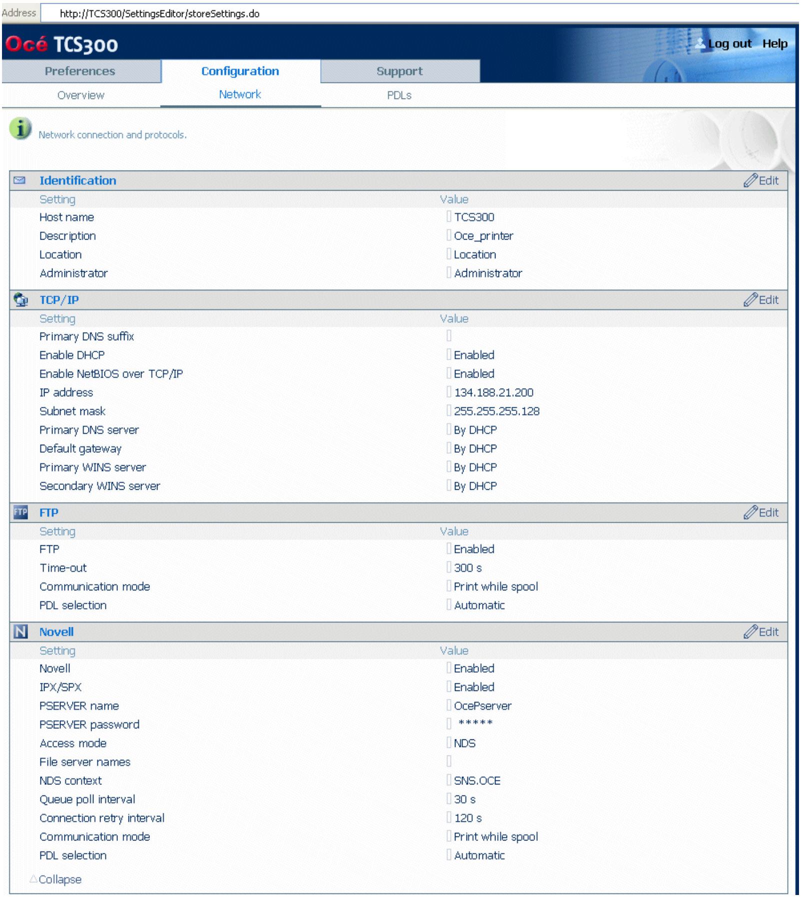
File server names

SNSNW5

Use this setting to specify the names of the available Novell file servers. You can define multiple names, divided by a semi-colon.

6 Click ‘Apply’.
7 Setup the other parameters.
8 Once all setups are done, configure Novell server BEFORE rebooting the controller (see‘Reboot the controller’ on page 265).

Result of the Novell settings configuration on the Océ TCS300 controller



Network connection and protocols.

Identification

Setting	Value
Host name	TCS300
Description	Oce_printer
Location	Location
Administrator	Administrator

TCP/IP

Setting	Value
Primary DNS suffix	
Enable DHCP	Enabled
Enable NetBIOS over TCP/IP	Enabled
IP address	134.188.21.200
Subnet mask	255.255.255.128
Primary DNS server	By DHCP
Default gateway	By DHCP
Primary WINS server	By DHCP
Secondary WINS server	By DHCP

FTP

Setting	Value
FTP	Enabled
Time-out	300 s
Communication mode	Print while spool
PDL selection	Automatic

Novell

Setting	Value
Novell	Enabled
IPX/SPX	Enabled
PSERVER name	OcePserver
PSERVER password	*****
Access mode	NDS
File server names	
NDS context	SNS.OCE
Queue poll interval	30 s
Connection retry interval	120 s
Communication mode	Print while spool
PDL selection	Automatic

Novell Server Setup

This section is aimed at the Local Network Administrator. It describes:

- how to setup the End User Site Environment for sharing the Océ TDS/TCS printer resource on his LAN by using the IPX/SPX protocol.
- how to setup, in a Client/Server Environment, a Novell File Server (by using the Print Server embedded in the Océ TDS/TCS Printer Controller).

To allow a Novell Client to access the Océ TDS/TCS Print Resource, you have to setup the Novell File Server in order to establish the connection between this Novell File Server and the Océ 'Print Server' you previously setup on the Océ TDS/TCS Printer Controller.

The following procedures describe how to setup on:

- Novell 3.x File Server / Bindery Mode
- Novell 4.x File Server / NDS Mode
- Novell 5.x File Server / NDS Mode
- Novell 6.x File Server / NDS Mode

Note: *Only the Bindery Mode is available on Novell 3.x File Servers.*

Note: *The Bindery mode is also available on Novell 4.x, Novell 5.x and Novell 6.x, but we recommend to use NDS mode on such File Servers.*

Note: *You MUST be logged on as Novell System Administrator on any Windows WorkStation running Novell Client 32 over any MS Windows Operating System.*

Setup on Novell 3.x File Server

Note the following parameters used in our example, some of them must be set up on the Océ TDS/TCS Controller:

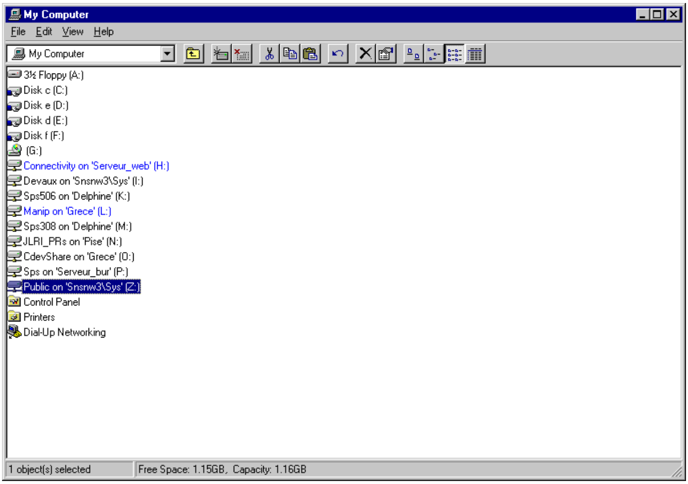
- Novell File server: *SNSNW3* (To be setup on the controller)
- Océ TDS/TCS Print Server Name: *PSTDS*
  (To be setup on the controller & the Novell File Server)
- Access Mode: *Bindery* (To be setup on the controller)
- Océ TDS/TCS Printer Name: *TDS* (To be setup on the Novell File Server)
- Océ TDS/TCS Printer Queue Name: *QTDS* (To be setup on the Novell File Server)

~ Launch the Administration task

1 Logon as System Administrator on your client workstation, using the proper Context, Tree and Server.

2 Launch the Novell Administration Task (Pconsole.exe) located into the 'Public\' directory, generally mapped on Z:\.

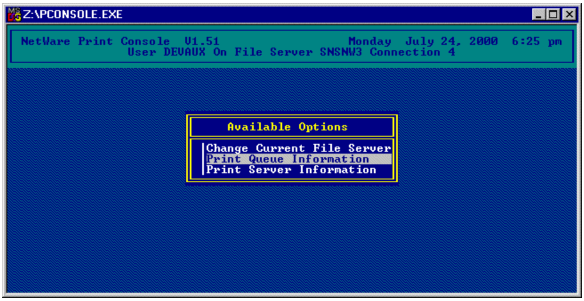
3 Open 'My Computer', locate and expand the *Server*\ Public Directory:


My Computer
File Edit View Help
My Computer
3½ Floppy (A:)
Disk c (C:)
Disk e (D:)
Disk d (E:)
Disk f (F:)
(G:)
Connectivity on 'Serveur_web' (H:)
Devaux on 'Snsnw3\Sys' (I:)
Sps506 on 'Delphine' (K:)
Manip on 'Grece' (L:)
Sps308 on 'Delphine' (M:)
JLRI_PRs on 'Pise' (N:)
CdevShare on 'Grece' (O:)
Sps on 'Serveur_bur' (P:)
Public on 'Snsnw3\Sys' (Z:)
Control Panel
Printers
Dial-Up Networking
1 object(s) selected
Free Space: 1.15GB, Capacity: 1.16GB

4 Double-click 'Pconsole.exe' to launch the 'PCONSOLE' Administration Task.

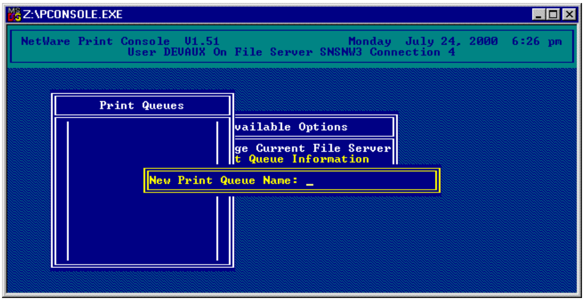
~ **Create the Printer Queue.**

1 Select ‘Print Queue Information’:



```
NetWare Print Console  V1.51                     Monday  July 24, 2000  6:25 pm
               User DEVAUX On File Server SNSNW3 Connection 4
```

2 Press the ‘INSERT’ key to create the New Printer Queue:



```
NetWare Print Console  V1.51                     Monday  July 24, 2000  6:26 pm
               User DEVAUX On File Server SNSNW3 Connection 4
```

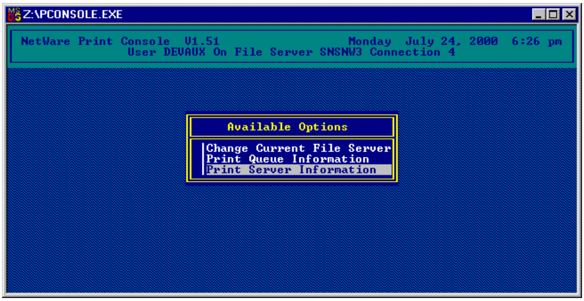
New Print Queue Name: _

3 Enter the new Print Queue Name and press ‘RETURN’.

~ Create the 'Print Server' on the Novell File Server

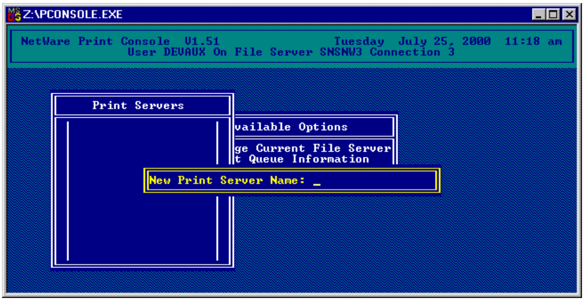
1 Press 'ESC' to display the 'PCONSOLE' Main Menu

2 Select 'Print Server Information' and press the 'RETURN' key.



```
NetWare Print Console  V1.51                 Monday  July 24, 2000  6:26 pm
              User DEVAUX On File Server SNSNW3 Connection 4
```

3 Press the 'INSERT' key to create the New Print Server:



```
NetWare Print Console  V1.51               Tuesday  July 25, 2000  11:18 am
              User DEVAUX On File Server SNSNW3 Connection 3
```

New Print Server Name: _

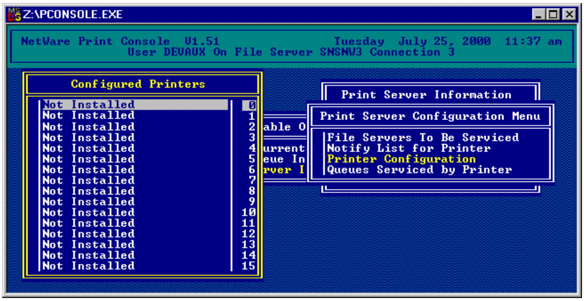
4 Enter the New Print Server Name and press 'RETURN'.

~ **Set up the printers handled by this new Print Server**

Note: *For our purpose, there is only one printer to be defined and its name can be any name. We recommend to use a meaningful one.*

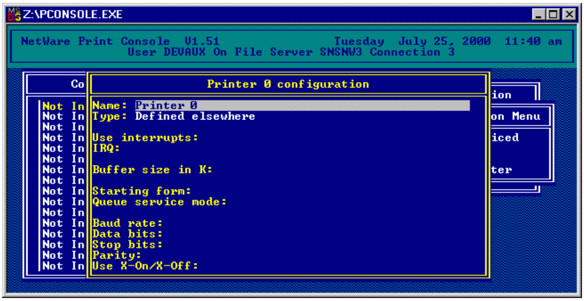
1 Select ‘Printer Configuration’ and press the ‘RETURN’ key.

2 Select the first ‘Not Installed’ Printer and press the ‘RETURN’ key:



```
Z:\PCONSOLE.EXE
NetWare Print Console  V1.51              Tuesday  July 25, 2000   11:37 am
                User DEVAUX On File Server SNSNW3 Connection 3

       Configured Printers
 Not Installed          0                  Print Server Information
 Not Installed          1 able 0     Print Server Configuration Menu
 Not Installed          2
 Not Installed          3            File Servers To Be Serviced
 Not Installed          4 urrent     Notify List for Printer
 Not Installed          5 eue In     Printer Configuration
 Not Installed          6 rver I     Queues Serviced by Printer
 Not Installed          7
 Not Installed          8
 Not Installed          9
 Not Installed         10
 Not Installed         11
 Not Installed         12
 Not Installed         13
 Not Installed         14
 Not Installed         15
```

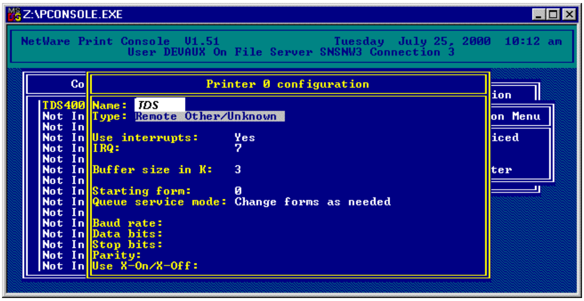
The ‘Printer Configuration’ window is then displayed:



```
Z:\PCONSOLE.EXE
NetWare Print Console  V1.51              Tuesday  July 25, 2000   11:40 am
                User DEVAUX On File Server SNSNW3 Connection 3

       Co               Printer 0 configuration                  ion
 Not In Name: Printer 0
 Not In Type: Defined elsewhere                                  on Menu
 Not In
 Not In Use interrupts:                                          iced
 Not In IRQ:
 Not In
 Not In Buffer size in K:                                        ter
 Not In
 Not In Starting form:
 Not In Queue service mode:
 Not In
 Not In Baud rate:
 Not In Data bits:
 Not In Stop bits:
 Not In Parity:
 Not In Use X-On/X-Off:
```

3 Setup the ‘Printer’ by entering the new Printer Name.

4 Select the ‘Remote Other/Unknown’ type:

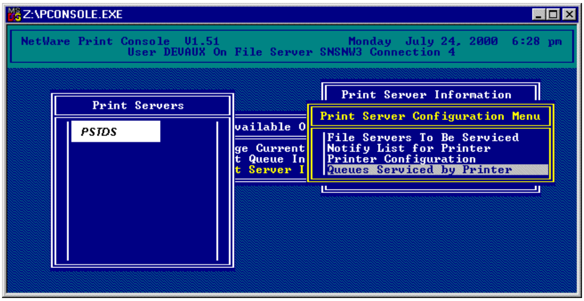


```
Z:\PCONSOLE.EXE
NetWare Print Console  V1.51              Tuesday  July 25, 2000   10:12 am
                User DEVAUX On File Server SNSNW3 Connection 3

       Co               Printer 0 configuration                  ion
 TDS400 Name: TDS
 Not In Type: Remote Other/Unknown                               on Menu
 Not In
 Not In Use interrupts:      Yes                                 iced
 Not In IRQ:                 7
 Not In
 Not In Buffer size in K:    3                                   ter
 Not In
 Not In Starting form:       0
 Not In Queue service mode:  Change forms as needed
 Not In
 Not In Baud rate:
 Not In Data bits:
 Not In Stop bits:
 Not In Parity:
 Not In Use X-On/X-Off:
```

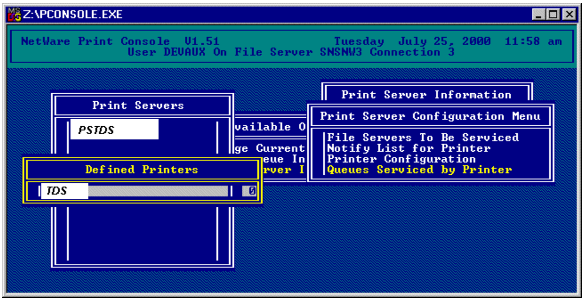
5 Press the ‘ESC’ key to validate and save your settings. The configured printer appears on the list.

~ **Set the Printer Queue(s) which are serviced by this new Print Server.**

1 Select ‘Queues Serviced by Printer’ and press ‘RETURN’:

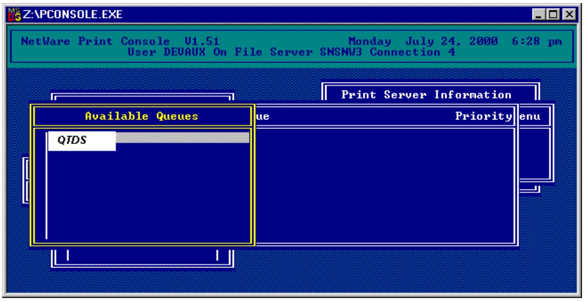

Z:\PCONSOLE.EXE
NetWare Print Console V1.51 Monday July 24, 2000 6:28 pm
User DEVAUX On File Server SNSNW3 Connection 4
Print Servers
PSTDS
Print Server Information
Print Server Configuration Menu
File Servers To Be Serviced
Notify List for Printer
Printer Configuration
Queues Serviced by Printer

The Printers serviced by the Print Server are displayed:


Z:\PCONSOLE.EXE
NetWare Print Console V1.51 Tuesday July 25, 2000 11:58 am
User DEVAUX On File Server SNSNW3 Connection 3
Print Servers
PSTDS
Print Server Information
Print Server Configuration Menu
File Servers To Be Serviced
Notify List for Printer
Printer Configuration
Queues Serviced by Printer
Defined Printers
TDS
0

2 Select the appropriate Printer and press the ‘RETURN’ key.

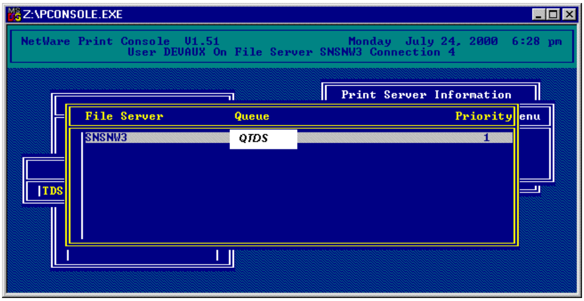
3 Press ‘INSERT’ and choose the proper Queue in the list:


Z:\PCONSOLE.EXE
NetWare Print Console V1.51 Monday July 24, 2000 6:28 pm
User DEVAUX On File Server SNSNW3 Connection 4
Print Server Information
Available Queues
QTDS
Priority

4 Press the ‘RETURN’ key and setup the proper priority (keep the ‘1’ value).

5 Press ‘RETURN’.

Note: *The Printer is now serviced by the Queue, by the Print Server defined on the Novell 3.x File Server.*



```
Z:\PCONSOLE.EXE
NetWare Print Console  V1.51               Monday  July 24, 2000   6:28  pm
                 User DEVAUX On File Server SNSNW3 Connection 4

                                     Print Server Information
File Server              Queue                              Priority
SNSNW3                   QTDS                                      1
```

6 Press ‘ESC’ to display the ‘Quit’ window.

7 Select ‘Yes’ and press the ‘RETURN’ key.

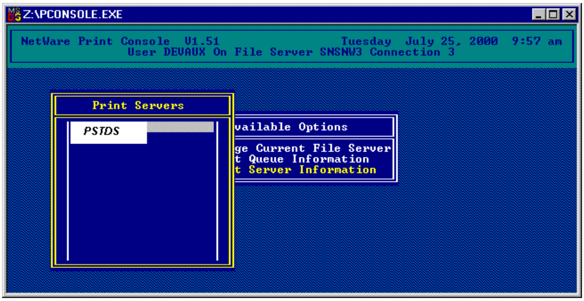
~ Launch the Océ embedded print server

1 Reboot the TDS/TCS printer controller.

~ **Check if the Océ TDS Printer Resource is available for the users**

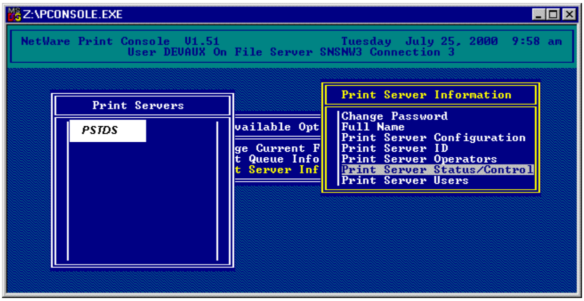
1 Launch the ‘PCONSOLE’ Administration Utility on a Client WorkStation.

2 Select ‘Print Server Information’ and press the ‘RETURN’ key:



```
NetWare Print Console  V1.51                  Tuesday  July 25, 2000  9:57 am
              User DEVAUX On File Server SNSNW3 Connection 3
```

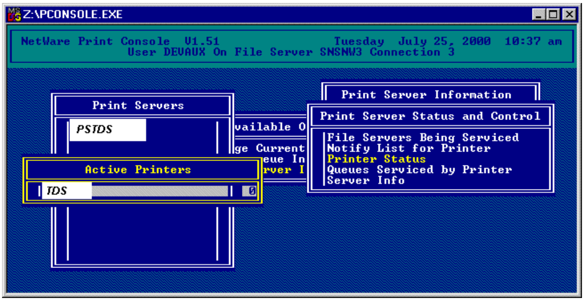
3 Select ‘Print Server Status/Control’ and press the ‘RETURN’ key:



```
NetWare Print Console  V1.51                  Tuesday  July 25, 2000  9:58 am
              User DEVAUX On File Server SNSNW3 Connection 3
```

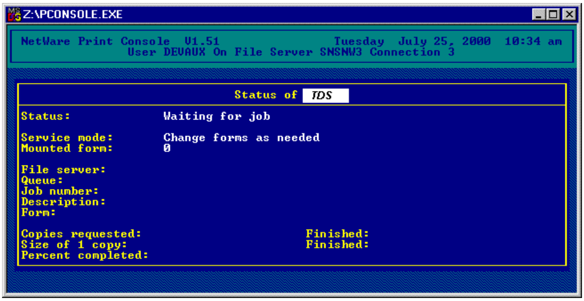
4 Select ‘Printer Status’ and press the ‘RETURN’ key.

5 Select the appropriate Active Printer and press ‘RETURN’:



```
NetWare Print Console  V1.51              Tuesday  July 25, 2000  10:37 am
               User DEVAUX On File Server SNSNW3 Connection 3
```

The Status MUST be ‘Waiting for Jobs’.



```
NetWare Print Console  V1.51              Tuesday  July 25, 2000  10:34 am
               User DEVAUX On File Server SNSNW3 Connection 3

                              Status of  TDS
Status:                 Waiting for job

Service mode:           Change forms as needed
Mounted form:           0

File server:
Queue:
Job number:
Description:
Form:

Copies requested:                           Finished:
Size of 1 copy:                             Finished:
Percent completed:
```

6 Press ‘ESC’ and click ‘YES’ in the Quit window to quit the PCONSOLE Administration Tool.

Novell 4.x File Server Setup

Note: *It is recommended to use the NDS mode when using Novell 4.x.*

Three printing objects must be created on the Novell Server:

- A Print Server object (the name must be identical to the *Pserver name* parameter setup in the Océ TDS/TCS controller by means of the Settings Editor, refer to the Controller setup section)
- A Queue object
- A Printer object

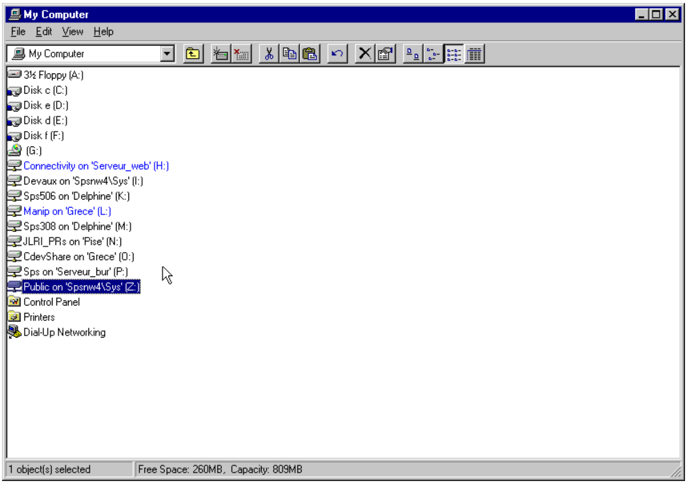
These 3 objects must be linked together and you have to check the Océ TDS/TCS Print Server is connected to the Novell server.

Note the following parameters used in our example, some of them must be set up on the Océ TDS/TCS Controller:

- Novell Context: SPSESC (to be set on the controller)
- Novell Tree: SPSESC
- Novell File server: SPSNW4 (to be set on the controller)
- Océ TDS/TCS Print Server Name: *PSTCS* (to be set on the controller and the Novell File Server)
- Océ TDS/TCS Printer Name: *TCS* (to be set on the Novell File Server)
- Océ TDS/TCS Printer Queue Name: *QTCS* (to be set on the Novell File Server)

~ Launch the Administration task

1. Logon as System Administrator on your client workstation, using the proper Context, Tree and Server.
2. Open ‘My Computer’, locate and expand the \Public Directory:



3½ Floppy (A:)
Disk c (C:)
Disk e (D:)
Disk d (E:)
Disk f (F:)
(G:)
Connectivity on 'Serveur_web' (H:)
Devaux on 'Spsnw4\Sys' (I:)
Sps506 on 'Delphine' (K:)
Manip on 'Grece' (L:)
Sps308 on 'Delphine' (M:)
JLRI_PRs on 'Pise' (N:)
CdevShare on 'Grece' (O:)
Sps on 'Serveur_bur' (P:)
Public on 'Spsnw4\Sys' (Z:)
Control Panel
Printers
Dial-Up Networking

1 object(s) selected
Free Space: 260MB, Capacity: 809MB

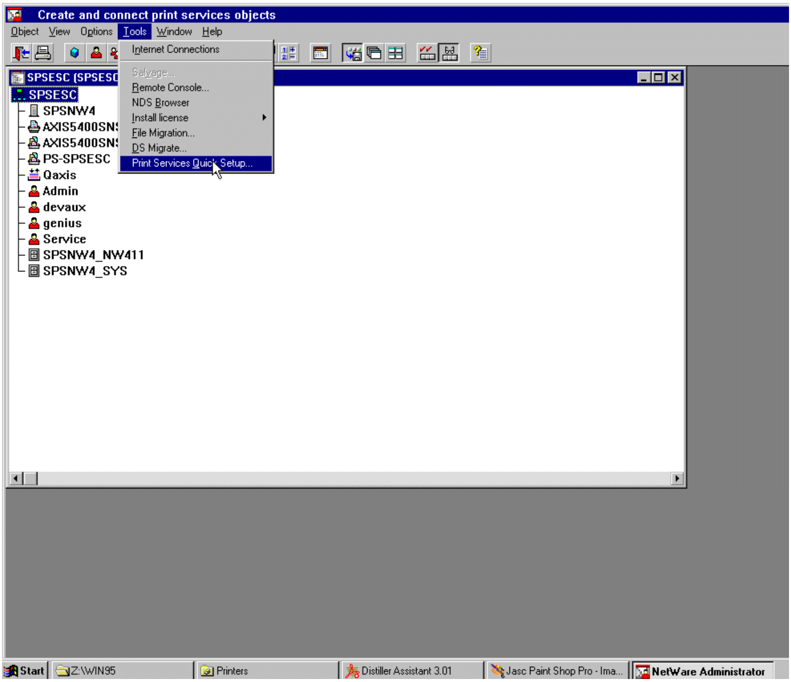
3. Double-click Nwadmin.exe to launch the Administration Task.

~ **Setup the print resource on the Novell File Server**

1 Browse and open the proper Context (SPSESC).

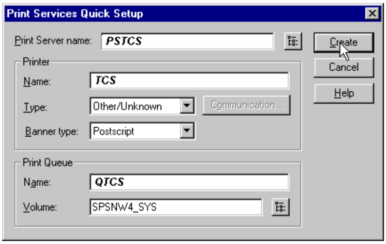
2 Select the proper Tree (SPSESC).

3 From the ‘Tools’ menu, select ‘Print Service Quick Setup’:



The ‘Print Service Quick Setup’ window is displayed.

4 Fill in the following fields:
- ‘Print Server Name’
- ‘Printer Name’
- ‘Printer Type’ (select ‘Other/Unknown’)
- ‘Printer Banner Type (select ‘PostScript’)
- ‘Print Queue Name’



Print Server name: PSTCS

Printer

Name: TCS

Type: Other/Unknown

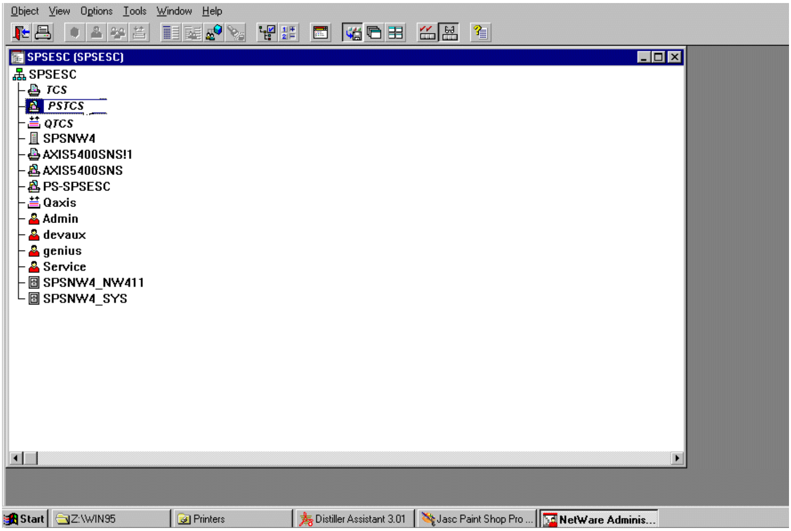
Banner type: Postscript

Print Queue

Name: QTCS

Volume: SPSNW4_SYS

5 Click ‘Create’. In the Administration main windows, 3 new objects are created: a Print Server, a Print Queue and a Printer:



SPSESC
- TCS
- PSTCS
- QTCS
- SPSNW4
- AXIS5400SNS!1
- AXIS5400SNS
- PS-SPSESC
- Qaxis
- Admin
- devaux
- genius
- Service
- SPSNW4_NW411
- SPSNW4_SYS

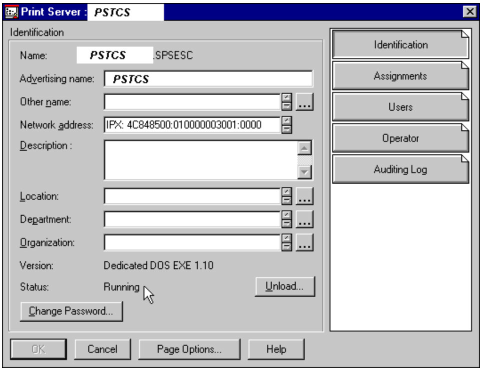
~

Launch the Océ embedded print server

1 Reboot the Océ TDS/TCS Printer Controller.

2 Check if the setup (Océ TDS/TCS controller and Novell File Server) is correct

1 Double-click ‘Print Server’ Object. A Print Server window is opened where you may see:
- a Network Address which MUST exist (IPX:…)
- Status ‘Running’



Print Server : PSTCS

Name: PSTCS.SPSESC

Advertising name: PSTCS

Network address: IPX: 4C848500:010000003001:0000

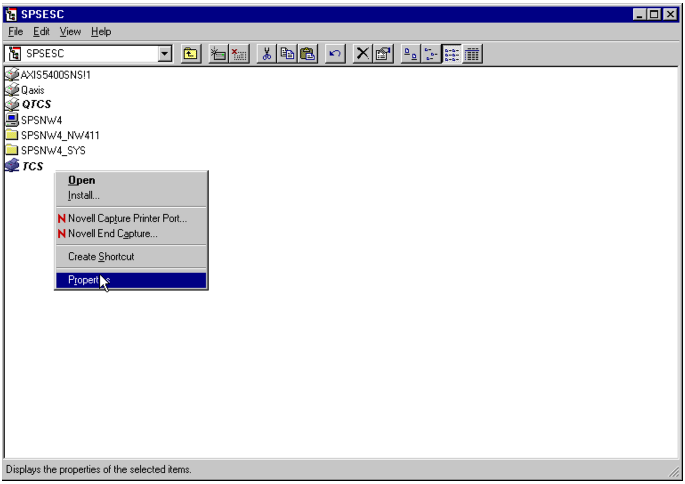
Version: Dedicated DOS EXE 1.10

Status: Running

Note: *The Status may sometimes not be Running but Down instead. This does not necessarily mean the Print Server is not working. This Novell status is not reliable and cannot be used to check whether Print Server is correctly running.*

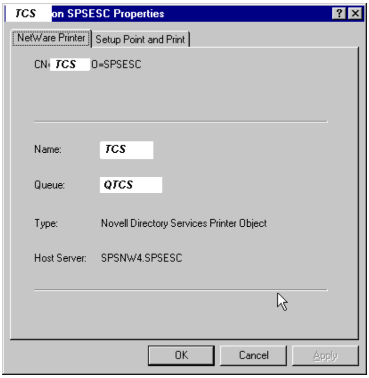
2 You can check if the Print Server embedded in Océ TDS/TCS is correctly connected to the Novell Server by checking the Novell Server itself. There is an active connection on print server which must appear in *Netware 4 Console Monitor / Connection* with the status: NORMAL.

3 To check if Océ TDS/TCS Printer Resource is available for users, browse the Network and select the proper Context and Tree (SPSESC/SPSESC). The new shared Printer TDS is displayed:



Displays the properties of the selected items.

4 Right-click on the printer and select ‘Properties’ to check if the printer configuration is OK:



CN: TCS O=SPSESC

Name: TCS

Queue: QTCS

Type: Novell Directory Services Printer Object

Host Server: SPSNW4.SPSESC

Novell 5.x File Server Setup

Note: *It is recommended to use the NDS mode when using Novell 5.x.*

Three printing objects must be created on the Novell Server:

- A Print Server object (the name must be identical to the *Pserver name* parameter setup in the Océ TDS/TCS controller by means of the Settings Editor, refer to the Controller setup section)
- A Queue object
- A Printer object

These 3 objects must be linked together and you have to check the Océ TDS/TCS Print Server is connected to the Novell server.

Note the following parameters used in our example, some of them must be set up on the Océ TDS/TCS controller:

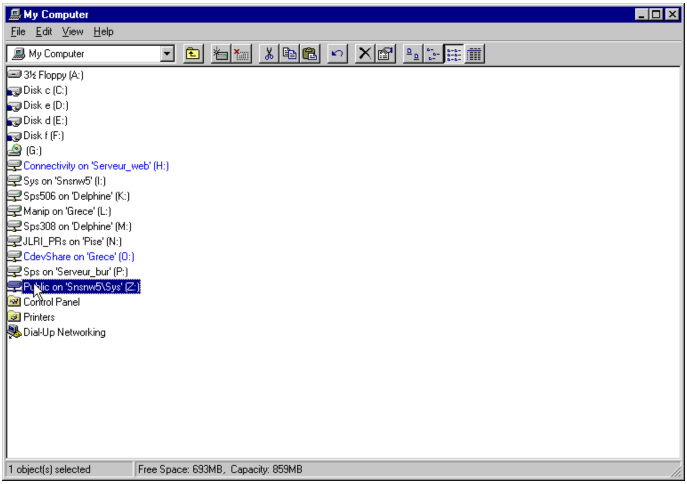
- Novell Context: SNSESC (to be set on the controller)
- Novell Tree: SNSESC
- Novell File server: SNSNW5 (to be setup on the controller)
- Océ TDS/TCS Print Server Name: *PSTDS* (to be set on the controller and on the Novell File Server)
- Océ TDS/TCS Printer Name: *TDS* (to be set on the Novell File Server)
- Océ TDS/TCS Printer Queue Name: *QTDS* (to be set on the Novell File Server)

~

Launch the Administration Task

1 Logon as System Administrator on your client workstation, using the proper Context, Tree and Server.

2 Open ‘My Computer’, locate and expand the \Public Directory:



3½ Floppy (A:)
Disk c (C:)
Disk e (D:)
Disk d (E:)
Disk f (F:)
(G:)
Connectivity on 'Serveur_web' (H:)
Sys on 'Snsnw5' (I:)
Sps506 on 'Delphine' (K:)
Manip on 'Grece' (L:)
Sps308 on 'Delphine' (M:)
JLRI_PRs on 'Pise' (N:)
CdevShare on 'Grece' (O:)
Sps on 'Serveur_bur' (P:)
Public on 'Snsnw5\Sys' (Z:)
Control Panel
Printers
Dial-Up Networking

1 object(s) selected
Free Space: 693MB, Capacity: 859MB

3 Open the ‘Win32’ Sub-Directory and double-click on Nwadmn32.exe to launch the Administration Task.

~

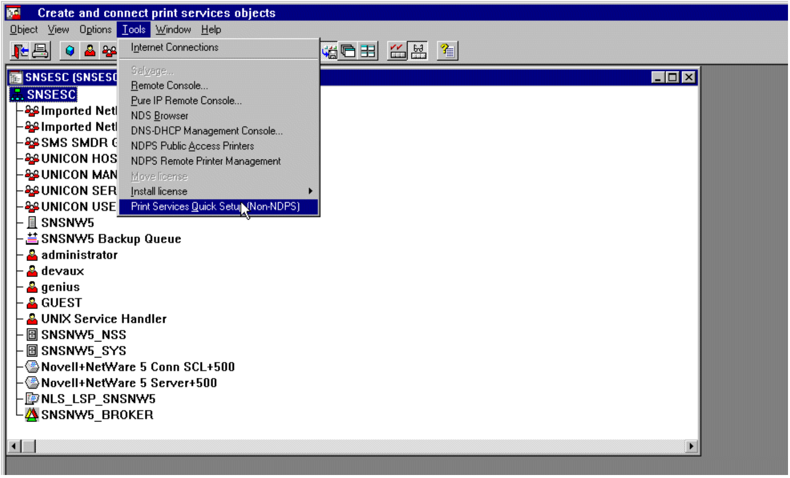
Setup the print resource on the Novell File server

1 Browse and open the proper Context (for instance, ‘SNSESC’).

Caution: *This context must correspond to the NDS context entered on the Océ TDS/TCS controller by means of the Settings Editor.*

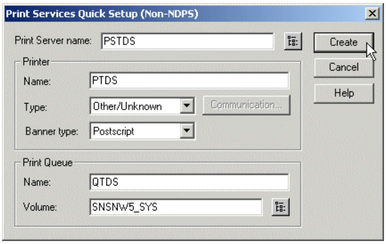
2 Select the proper Tree (for instance, ‘SNSESC’).

3 From the ‘Tools’ menu, select ‘Print Service Quick Setup (Non-NDPS)’:



4 The ‘Print Service Quick Setup (Non-NDPS)’ window is displayed. Fill in the following fields:

- ‘Print Server Name’
- ‘Printer Name’
- ‘Printer Type’ (select ‘Other/Unknown’- used for Network)
- ‘Printer Banner Type’ (select ‘PostScript’)
- ‘Print Queue Name’


Print Services Quick Setup (Non-NDPS)

Print Server name: PSTDS

Printer

Name: PTDS

Type: Other/Unknown

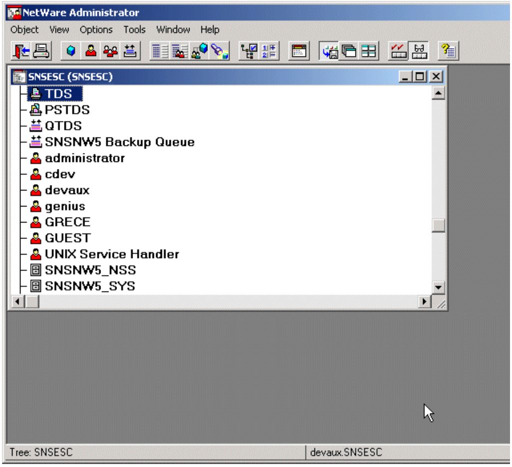
Banner type: Postscript

Print Queue

Name: QTDS

Volume: SNSNW5_SYS

5 Click ‘Create’. In the Administration main window, 3 new objects are created:
- a Print Server
- a Print Queue
- a Printer



TDS
PSTDS
QTDS
SNSNW5 Backup Queue
administrator
cdev
devaux
genius
GRECE
GUEST
UNIX Service Handler
SNSNW5_NSS
SNSNW5_SYS

Tree: SNSESC
devaux.SNSESC

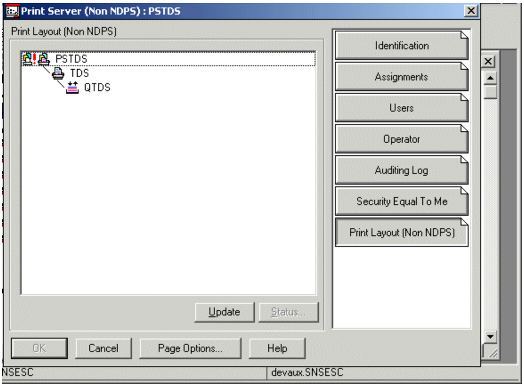
~ Launch the Océ embedded print server

1 Reboot the Océ TDS/TCS Printer Controller.

~ **Check the setup is correct.**

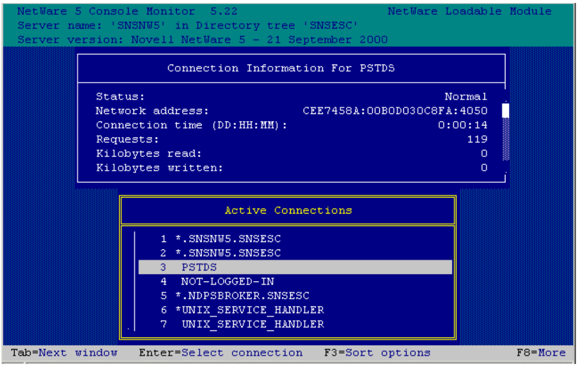
1 Double-click on the ‘Print Server’ Object to check the 3 objects (Print Server, Print Queue and Printer).

2 Click the ‘Print Layout (Non NDPS)’ tab:



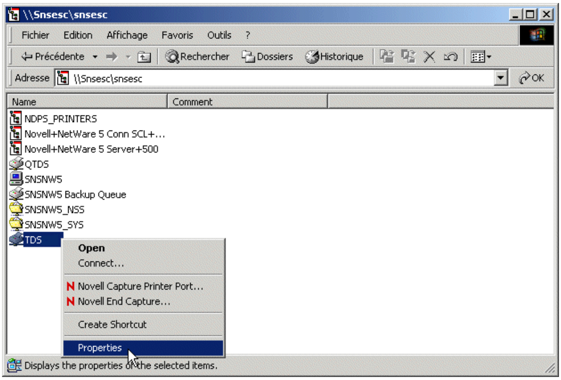
Note: *On this illustration, the exclamation mark does not necessarily mean the Print Server is not working. This Novell status is not reliable and cannot be used to check whether Print Server is correctly running.*

3 Check if the Print Server embedded in Océ TDS/TCS is correctly connected to the Novell Server by checking on the Novell Server itself. There is an active connection on print server which must appear in *Netware 5 Console Monitor / Connection* with the status: NORMAL:



```
NetWare 5 Console Monitor  5.22                         NetWare Loadable Module
Server name: 'SNSNW5' in Directory tree 'SNSESC'
Server version: Novell NetWare 5 - 21 September 2000

                 Connection Information For PSTDS

   Status:                                               Normal
   Network address:                  CEE7458A:00B0D030C8FA:4050
   Connection time (DD:HH:MM):                          0:00:14
   Requests:                                                119
   Kilobytes read:                                            0
   Kilobytes written:                                         0

                    Active Connections

          1 *.SNSNW5.SNSESC
          2 *.SNSNW5.SNSESC
          3  PSTDS
          4  NOT-LOGGED-IN
          5 *.NDPSBROKER.SNSESC
          6 *UNIX_SERVICE_HANDLER
          7  UNIX_SERVICE_HANDLER

Tab=Next window   Enter=Select connection   F3=Sort options          F8=More
```

4 To check if the Océ TDS/TCS Printer Resource is available for the Users, browse the network using ‘Network Neighborhood’ and selecting the proper Context and Tree (SNSESC/SNSESC). The new shared Printer TDS/TCS is displayed:

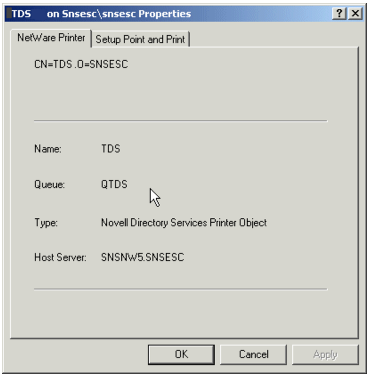


Adresse: \\Snsesc\snsesc

Name	Comment
NDPS_PRINTERS	
Novell+NetWare 5 Conn SCL+...	
Novell+NetWare 5 Server+500	
QTDS	
SNSNW5	
SNSNW5 Backup Queue	
SNSNW5_NSS	
SNSNW5_SYS	
TDS	

Displays the properties of the selected items.

5 Right-click on the printer and select ‘Properties’ to check if the printer configuration is OK:



CN=TDS.O=SNSESC

Name: TDS

Queue: QTDS

Type: Novell Directory Services Printer Object

Host Server: SNSNW5.SNSESC

Novell 6.x File Server Setup

The Novell 6.x File Server Setup is similar to Novell 5.x File Server setup (see ‘Novell 5.x File Server Setup’ on page 135).

Note: *Although there are new administration tools under Novell 6.x, we highly recommend to use the Netware administration tool as described in section ‘Novell 5.x File Server Setup’ on page 135 (i.e. nwadmn32.exe). This tool offers a ‘Print Service Quick Setup (Non NDPS) to quickly configure this environment type. The Novell client must be installed on Client workstation where nwadmn32.exe will be launched.*

Client Workstation Setup

This section is aimed at the local network administrator and/or end user. It describes how to setup the client workstations, by using a Client/Server connection, in order to use the Océ TDS/TCS Printer resource on a LAN via the IPX/SPX protocol.

Note: *The Peer-to-peer connection is not possible when using the IPX/SPX protocol.*

Note: *The Client/Server connection allows a client workstation to use the Océ TDS/TCS printer, defined on the Novell File Server.*

Client Workstation setup (WPD driver)

This section is a System Administrator guideline to use the Océ TDS/TCS Print Services on a Windows Client workstation with the Windows Printer Driver (WPD), interconnected via the Novell IPX/SPX protocol.

The client workstations have access to the Océ TDS/TCS Print Services via Printer Queues defined on this dedicated Novell File Server.

There are two methods to install Windows Printer Driver (WPD):

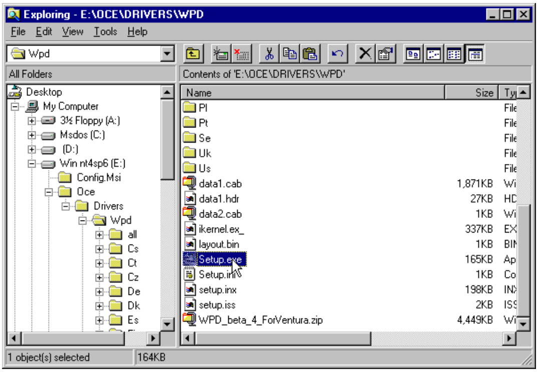
- Setup.exe: recommended method due to the complete automatic 'uninstall' procedure.
- Add Printer method: the full 'uninstall' procedure may have manual actions (refer to Océ Windows Printer Driver Getting Started for further details on uninstallation). However this method can be chosen in case of troubles with Novell Client capture problem (see page 146).

~

Install WPD using the setup.exe method

1 Open the Windows Explorer.

1 Browse to locate the directory where the Océ Windows Printer Driver (WPD) distribution is located:

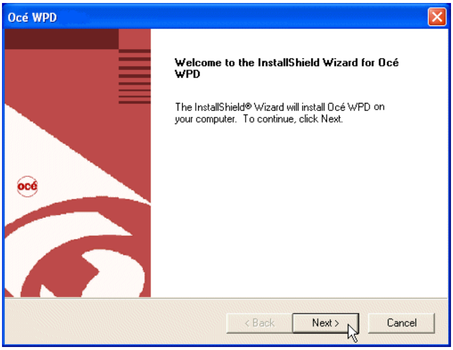


Contents of 'E:\OCE\DRIVERS\WPD'

Name	Size	Ty
Pl		File
Pt		File
Se		File
Uk		File
Us		File
data1.cab	1,871KB	Wi
data1.hdr	27KB	HD
data2.cab	1KB	Wi
ikernel.ex_	337KB	EX
layout.bin	1KB	BI
Setup.exe	165KB	Ap
Setup.ini	1KB	Co
setup.inx	198KB	IN
setup.iss	2KB	IS
WPD_beta_4_ForVentura.zip	4,449KB	Wi

2 Double-click ‘setup.exe’.

3 Choose the setup language. The ‘Océ WPD installation’ installer is launched:



Welcome to the InstallShield Wizard for Océ WPD

The InstallShield® Wizard will install Océ WPD on your computer. To continue, click Next.

4 Click ‘Next’, it opens the ‘License Agreement’ window.

5 Click ‘Yes’ to accept the license. A read-me file is displayed.

6 Read the file before closing it.

7 Select the driver language and click ‘Next’.

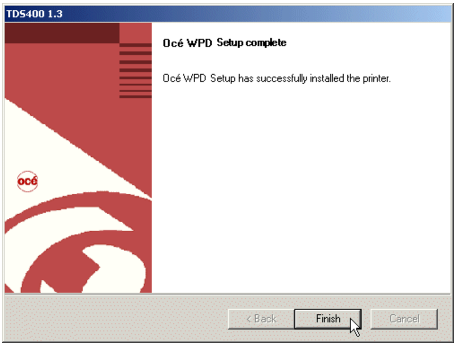
8 Choose the Printer Model and the port. For the port, select an unused port.
Note: *In the next procedure, the port will be redirected to the appropriate Novell queue.*

9 Enter the name for your printer and click ‘Next’.

10 In the Sharing window, make sure the ‘No’ is selected.

11 Click ‘Next’.

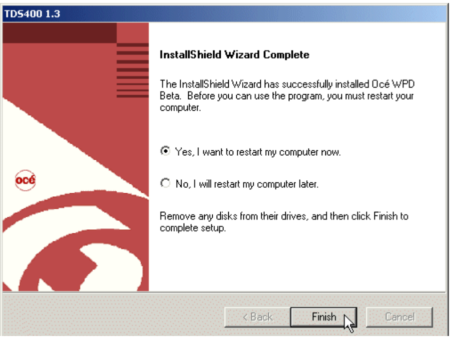
12 Files are copied on the hard disk. Two different windows may appear:
- If the following window is displayed, no reboot is required (e.g.: when you install the driver for one printer for the first time), you can finish the setup:



Océ WPD Setup complete

Océ WPD Setup has successfully installed the printer.

- If the window below is displayed, a reboot is required (for example: you already installed the driver for one printer, and you install a new printer model). You can finish the setup but reboot is necessary before using the driver.



InstallShield Wizard Complete

The InstallShield Wizard has successfully installed Océ WPD Beta. Before you can use the program, you must restart your computer.

● Yes, I want to restart my computer now.

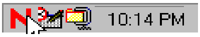
○ No, I will restart my computer later.

Remove any disks from their drives, and then click Finish to complete setup.

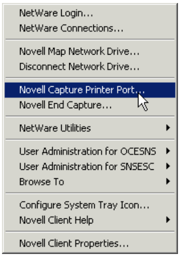
~ **Redirect the local port to the appropriate Novell Queue.**

Note: *It is preferable to use the Novell capture procedure rather than the ‘net use’ command:*

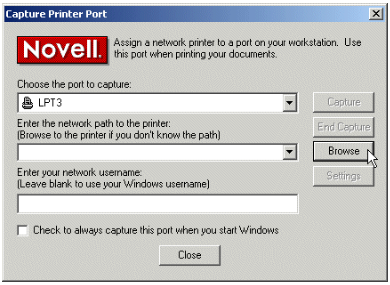
1 Right-click on the ‘N’ red logo on the right Task bar to launch the Novell capture tool:



2 Select the Novell capture menu


NetWare Login...
NetWare Connections...
Novell Map Network Drive...
Disconnect Network Drive...
Novell Capture Printer Port...
Novell End Capture...
NetWare Utilities
User Administration for OCESNS
User Administration for SNSESC
Browse To
Configure System Tray Icon...
Novell Client Help
Novell Client Properties...

3 Enter the port to capture (LPT3 in this example):



Assign a network printer to a port on your workstation. Use this port when printing your documents.

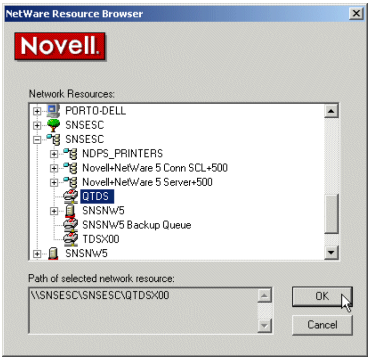
Choose the port to capture: LPT3

Enter the network path to the printer:
(Browse to the printer if you don't know the path)

Enter your network username:
(Leave blank to use your Windows username)

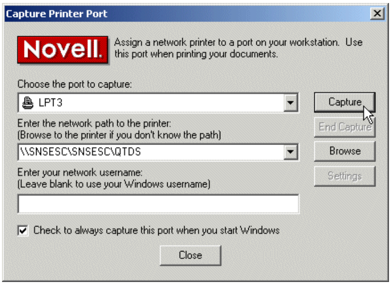
☐ Check to always capture this port when you start Windows

4 Browse the Novell Queue:



Path of selected network resource: \\SNSESC\SNSESC\QTDSX00

5 Do not forget to enable the option ‘Check to always capture this port when you start Windows’ and validate the capture by clicking ‘capture’:



Capture Printer Port

Assign a network printer to a port on your workstation. Use this port when printing your documents.

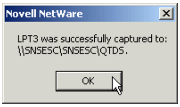
Choose the port to capture: LPT3

Enter the network path to the printer:
(Browse to the printer if you don't know the path)
\\SNSESC\SNSESC\QTDS

Enter your network username:
(Leave blank to use your Windows username)

☑ Check to always capture this port when you start Windows

The following window acknowledges the successful capture operation:

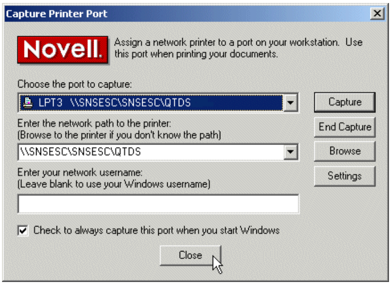


Novell NetWare

LPT3 was successfully captured to:
\\SNSESC\SNSESC\QTDS.

6 Click ‘OK’ to finish the capture.

7 Close the capture window



Capture Printer Port

Assign a network printer to a port on your workstation. Use this port when printing your documents.

Choose the port to capture: LPT3 \\SNSESC\SNSESC\QTDS

Enter the network path to the printer:
(Browse to the printer if you don't know the path)
\\SNSESC\SNSESC\QTDS

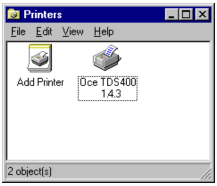
Enter your network username:
(Leave blank to use your Windows username)

☑ Check to always capture this port when you start Windows

~

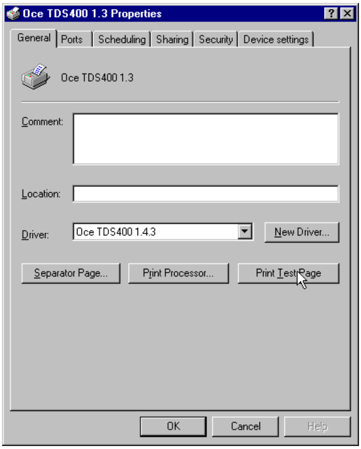
Check if the setup is correct

1 From the Windows ‘Start’ menu, select ‘Settings\Printers’



2 object(s)

2 Right-click on the printer installed, select Properties, and print a Test page:



Oce TDS400 1.3

Comment:

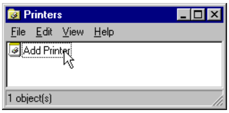
Location:

Driver: Oce TDS400 1.4.3

Caution: *You may wait until the polling delay (TDS/TCS Settings Editor /Connectivity/Novell/Queue Poll Interval) before test page is printed.*

~ Install WPD using the Add printer method

1 From the Windows ‘Start’ menu, select ‘Settings’ and ‘Printers’:

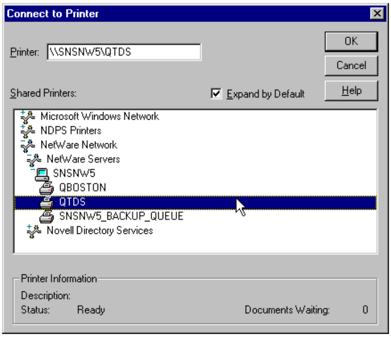


2 Double-click ‘Add printer’.

3 In the ‘Add Printer Wizard’ click ‘Network printer server’ then ‘Next’.

4 Browse the network to locate the server to which the TDS/TCS is connected:

- the correct network (NetWare Network / NetWare Servers)
- the appropriate file server
- the appropriate printer queue



Connect to Printer

Printer: \\SNSNW5\QTDS

Shared Printers: ☑ Expand by Default

- Microsoft Windows Network
- NDPS Printers
- NetWare Network
  - NetWare Servers
    - SNSNW5
      - QBOSTON
      - QTDS
      - SNSNW5_BACKUP_QUEUE
  - Novell Directory Services

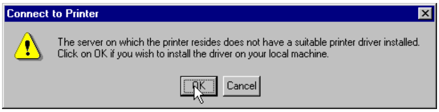
Printer Information

Description:

Status: Ready

Documents Waiting: 0

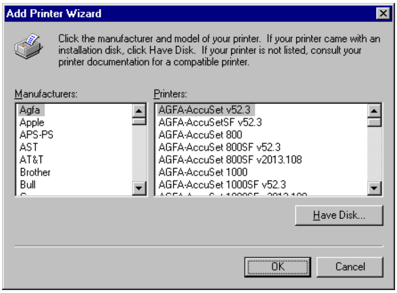
5 Click ‘OK’. A warning message is displayed:



Connect to Printer

The server on which the printer resides does not have a suitable printer driver installed. Click on OK if you wish to install the driver on your local machine.

6 Click ‘OK’. The ‘Add Printer Wizard’ window is displayed, including a list of manufacturers and printers:



Add Printer Wizard

Click the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

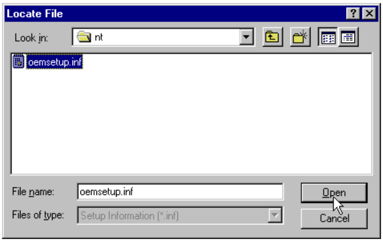
Manufacturers:

- Agfa
- Apple
- APS-PS
- AST
- AT&T
- Brother
- Bull

Printers:

- AGFA-AccuSet v52.3
- AGFA-AccuSetSF v52.3
- AGFA-AccuSet 800
- AGFA-AccuSet 800SF v52.3
- AGFA-AccuSet 800SF v2013.108
- AGFA-AccuSet 1000
- AGFA-AccuSet 1000SF v52.3

7. Click ‘Have Disk’:
8. Click ‘Browse’ to locate the directory where the Océ Windows Printer Driver distribution is:



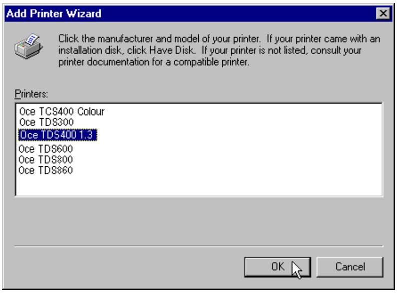
Look in: nt

oemsetup.inf

File name: oemsetup.inf

Files of type: Setup Information (*.inf)

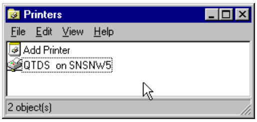
9. Select the ‘oemsetup.inf’ file.
10. Click ‘Open’.
    The ‘Install from disk’ window is again displayed, with the selected path appearing on the ‘copy Manufacturer’s files from…’ line.
11. Click ‘OK’:



Click the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

Printers:
Oce TCS400 Colour
Oce TDS300
Oce TDS400 1.3
Oce TDS600
Oce TDS800
Oce TDS860

12. Select the appropriate printer.
13. Click ‘OK’. Files are copied to the PC's hard disk drive.
14. Click ‘Finish’.
15. Check the new printer appears in the available printers list:



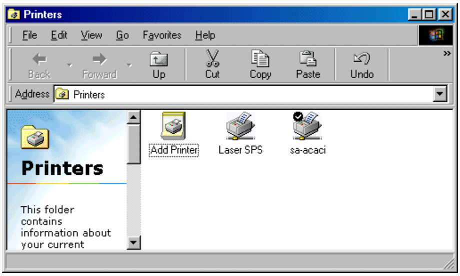
Add Printer
QTDS on SNSNW5

2 object(s)

Client Workstation Setup (WRD3 driver - only for TDS Printers)

~ **Setup Windows 9x/Me Client WorkStation for a TDS**

1 From the Windows ‘Start’ menu, select ‘Settings / Printers’.
The ‘Printers’ window is displayed:

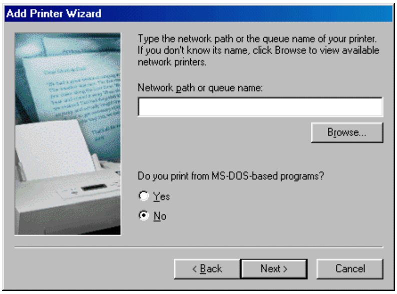


This folder contains information about your current

2 Double-click the ‘Add printer’ icon. The Add Printer Wizard window is displayed. ‘Click Next’.

3 The Add Printer Wizard window is displayed. ‘Click Next.’

4 Select ‘Network printer’ and click ‘Next’. You are asked for the Network path or queue name:



Type the network path or the queue name of your printer. If you don't know its name, click Browse to view available network printers.

Network path or queue name:

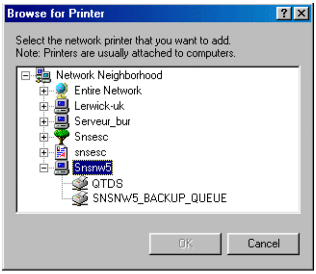
Do you print from MS-DOS-based programs?

○ Yes

● No

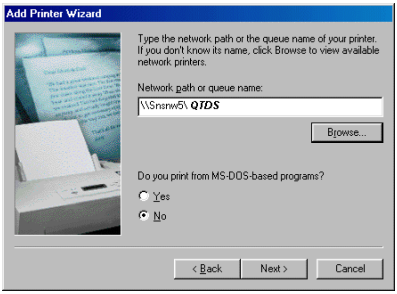
5 Click ‘Browse’ and locate the TDS on the network by selecting:
- the network (Netware network / Netware servers)
- the file server
- the printer queue

The following window is displayed:



Select the network printer that you want to add.
Note: Printers are usually attached to computers.

6 Click ‘OK’. The ‘Add printer wizard’ window is displayed, with the selected printer in the ‘Network path or queue name’ field:



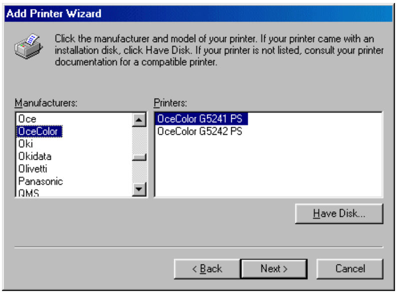
Type the network path or the queue name of your printer. If you don't know its name, click Browse to view available network printers.

Network path or queue name: \\Snsnw5\ **QTDS**

Do you print from MS-DOS-based programs?

○ Yes
● No

7 Click ‘Next’. The ‘Building driver information database’ window is displayed followed by the ‘Add printer wizard’ window including a list of manufacturers and printers:



Click the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

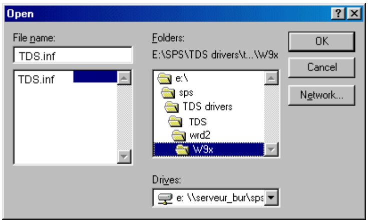
Manufacturers: OceColor

Printers: OceColor G5241 PS

8 Click ‘Have disk’. The ‘Install from disk’ window is displayed.

9 Click ‘Browse’. The ‘Open’ window is displayed.

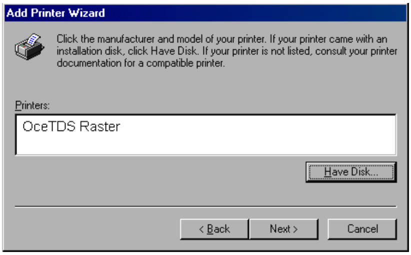
10 Select the directory where the Océ WRD3 distribution is located (for instance: Cd_Pack\products\wrd3\TDS\win9x\):


File name: TDS.inf
Folders: E:\SPS\TDS drivers\t...\W9x
Drives: e: \\serveur_bur\sps

11 Select the ‘TDS.inf’ file.

12 Click ‘OK’. The ‘Install from disk’ window is again displayed, with the selected path appearing on the ‘copy manufacturer's file from’ line.

13 Click ‘OK’. The ‘Add printer wizard’ window is displayed, including a list of Océ printers:


Click the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

14 Select the ‘OceTDS Raster’ model.

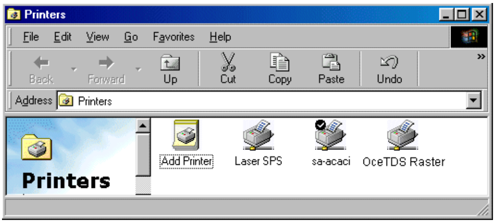
15 Click ‘Next’. The ‘Add printer wizard’ window is displayed, including the default printer name.

16 Change the printer name if required.

17 Select if you want the TDS to be used as default printer.

18 Click ‘Finish’. Files are copied to the PC hard disk, then the ‘Software Product license’ window is displayed.

19 Click ‘Yes’. The ‘Printers’ window is displayed with ‘OceTDS Raster’



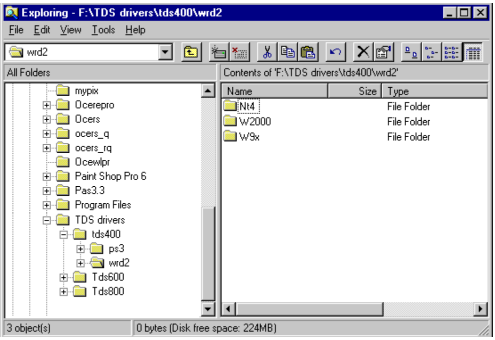
A window prompts you to restart the computer to complete the installation.

20 Click ‘Yes’.

~ Setup Windows NT/2000/XP/Server 2003 Client WorkStation for a TDS

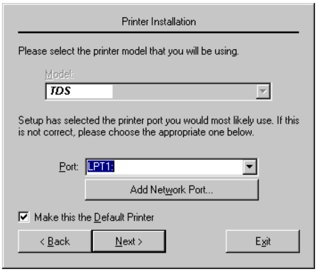
1 Open the Windows Explorer.

2 Browse to locate the directory where the Océ Windows WRD3 driver distribution is located



3 Double-click on ‘setup.exe’. The ‘Oce TDS Printer driver’ installer is launched and the ‘End User License Agreement’ window is displayed.

4 Click ‘Accept’. The ‘Printer installation’ window is displayed:



Please select the printer model that you will be using.

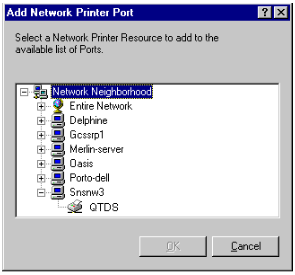
Model: TDS

Setup has selected the printer port you would most likely use. If this is not correct, please choose the appropriate one below.

Port: LPT1:

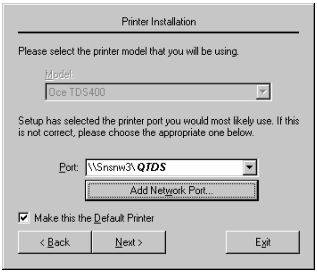
5 Click ‘Add Network Port’:

6 Browse the network to locate the TDS printer by selecting:
- the network (Netware network / Netware servers)
- the file server
- the printer queue



Select a Network Printer Resource to add to the available list of Ports.

7 Select the TDS printer queue and click ‘Ok’.
The ‘Printer installation’ window is displayed, with the selected printer queue appearing in the ‘port’ line:


Printer Installation

Please select the printer model that you will be using.

Model: Oce TDS400

Setup has selected the printer port you would most likely use. If this is not correct, please choose the appropriate one below.

Port: \\Snsnw3\ ***QTDS***

☑ Make this the Default Printer

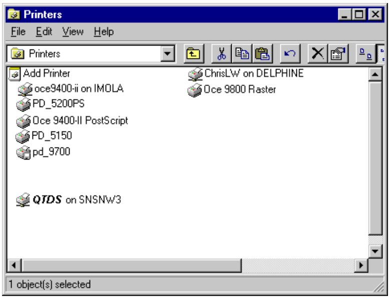
8 Click ‘Next’.

9 Keep the Printer Name or type a new one and click ‘Next’.

10 On the ‘Ready to Start Copying’ window click ‘Finish’. Files are copied to the PC hard disk and the ‘Installation successful’ window is displayed.

11 Click ‘Restart Windows now’ to reboot the workstation.

12 After the workstation restarted, check in the ‘Printers’ window (Start menu \settings\printers) if the new TDS printer is in the available printers list:



Add Printer
oce9400-ii on IMOLA
PD_5200PS
Oce 9400-II PostScript
PD_5150
pd_9700
QTDS on SNSNW3
ChrisLW on DELPHINE
Oce 9800 Raster

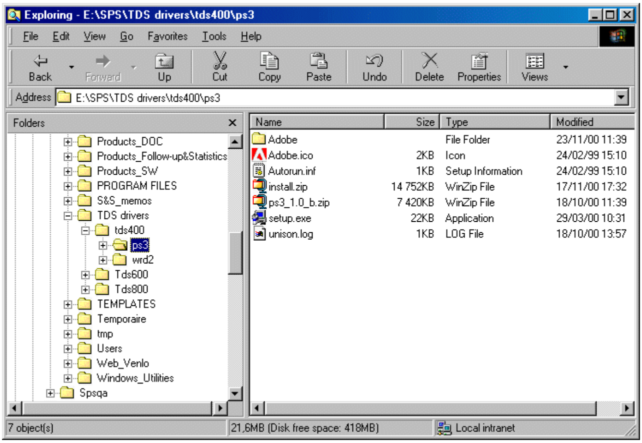
1 object(s) selected

Client Workstation Setup (PS3 driver - for TDS/TCS printers)

~ **Setup Windows 9x/Me/NT workstation**

1 Open the Windows Explorer.

2 Browse to locate the directory where the Océ Windows Postscript 3 driver distribution is located:



Exploring - E:\SPS\TDS drivers\tds400\ps3

Address: E:\SPS\TDS drivers\tds400\ps3

Name	Size	Type	Modified
Adobe		File Folder	23/11/00 11:39
Adobe.ico	2KB	Icon	24/02/99 15:10
Autorun.inf	1KB	Setup Information	24/02/99 15:10
install.zip	14 752KB	WinZip File	17/11/00 17:32
ps3_1.0_b.zip	7 420KB	WinZip File	18/10/00 11:39
setup.exe	22KB	Application	29/03/00 10:31
unison.log	1KB	LOG File	18/10/00 13:57

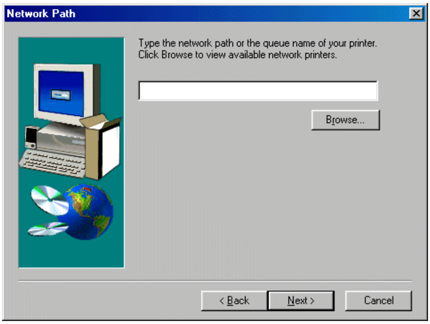
7 object(s) | 21,6MB (Disk free space: 418MB)

3 Double-click ‘setup.exe’. The Adobe Postscript Driver Installer is launched.

4 Click ‘Next’. The ‘End user license agreement’ window is displayed.

5 Click ‘Accept’. The ‘Printer connection type’ window is displayed.

6 Select ‘It is connected to your network (Network Printer)’ and click ‘Next’. The ‘Network path’ window is displayed:

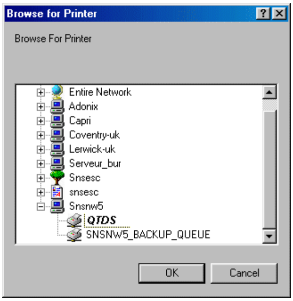


Type the network path or the queue name of your printer.
Click Browse to view available network printers.

7 Click ‘Browse’. The ‘Browse for printer’ window is displayed.

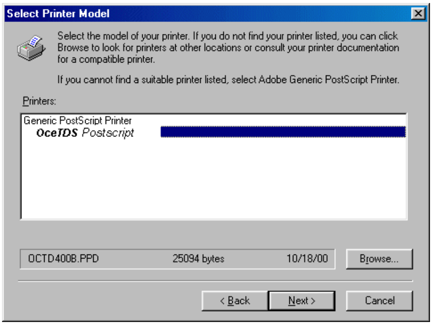
8 Locate the TDS/TCS printer on the network by selecting:
- the network (Netware network / Netware servers)
- the file server
- the printer queue

The following window is displayed:



9 Click ‘Ok’. The ‘Network path’ window is displayed, with the selected printer.

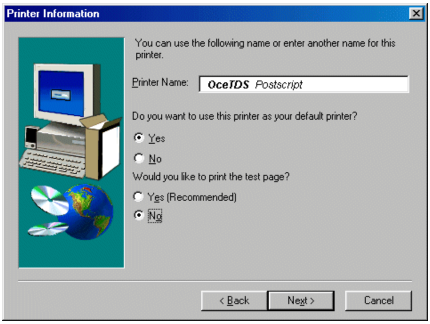
10 Click ‘Next’. The ‘Select printer model’ window is displayed:


Select the model of your printer. If you do not find your printer listed, you can click Browse to look for printers at other locations or consult your printer documentation for a compatible printer.

If you cannot find a suitable printer listed, select Adobe Generic PostScript Printer.

11 Select the TDS/TCS printer.

12 Click ‘Next’. The ‘Printer information’ window is displayed:



You can use the following name or enter another name for this printer.

Printer Name: *OceTDS Postscript*

Do you want to use this printer as your default printer?

● Yes
○ No

Would you like to print the test page?

○ Yes (Recommended)
● No

13 Choose if you want to use the TDS as default printer and if you want to print a test page.

14 Click ‘Next’. The ‘Setup information’ window is displayed.

15 Click ‘Install’. Files are copied to the PC hard disk, then the ‘Printer configuration’ window is displayed.

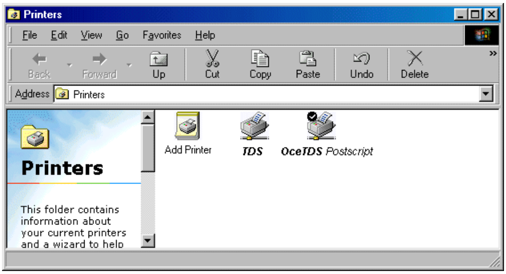
16 Select if you want to configure the printer now or later.

17 Click ‘Next’.

- If you choose to perform the printer configuration now, the ‘Properties window’ is displayed and the printer setup can be done.
- If you choose to perform the printer configuration later, the ‘Setup complete’ window is displayed.

18 Click ‘Finish’.

19 Check in the ‘Printers’ window (Start menu\settings\printers) if the new TDS/TCS printer is in the list of available printers:



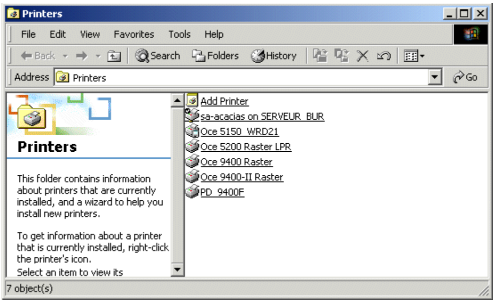
Address: Printers

Printers

This folder contains information about your current printers and a wizard to help

Set up Windows 2000 workstation

1 From the Windows ‘Start’ menu, select ‘Settings / Printers’:
The ‘Printers’ window is displayed:

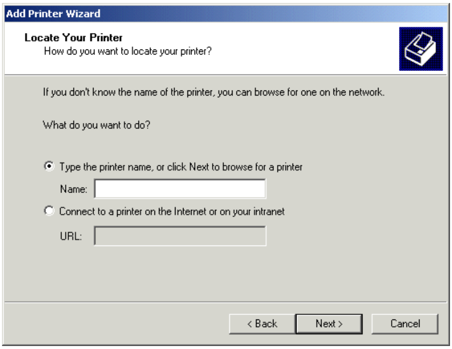


This folder contains information about printers that are currently installed, and a wizard to help you install new printers.

To get information about a printer that is currently installed, right-click the printer's icon.
Select an item to view its

7 object(s)

2 Double-Click ‘Add printer’ icon, it opens the Add Printer Wizard.
3 Click ‘Next’.
4 Choose ‘Network printer’ and click ‘Next’.



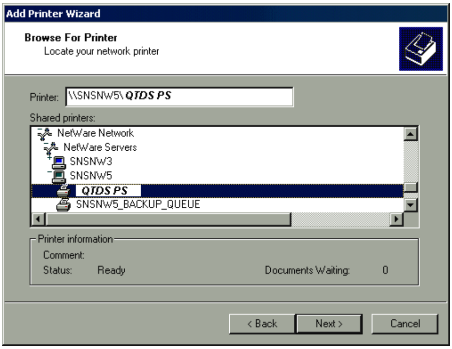
Locate Your Printer
How do you want to locate your printer?

If you don't know the name of the printer, you can browse for one on the network.

What do you want to do?

● Type the printer name, or click Next to browse for a printer
Name:
○ Connect to a printer on the Internet or on your intranet
URL:

5 Click ‘Next’. The ‘Browse for printer’ window is displayed:



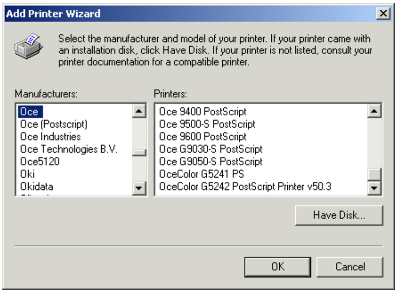
Browse For Printer
Locate your network printer

Printer: \\SNSNW5\QTDS PS

Comment:
Status: Ready
Documents Waiting: 0

6 Browse the network to locate the server to which the TDS PS is connected:
- the correct network (NetWare Network / NetWare Servers)
- the appropriate file server
- the appropriate printer queue

7 Click ‘Next’. The ‘Add Printer Wizard’ window is displayed, including a list of manufacturers and printers:



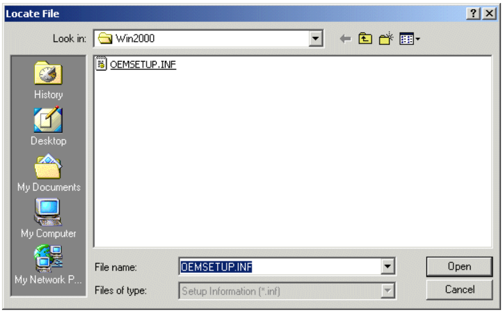
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

Manufacturers:
Oce
Oce (Postscript)
Oce Industries
Oce Technologies B.V.
Oce5120
Oki
Okidata

Printers:
Oce 9400 PostScript
Oce 9500-S PostScript
Oce 9600 PostScript
Oce G9030-S PostScript
Oce G9050-S PostScript
OceColor G5241 PS
OceColor G5242 PostScript Printer v50.3

8 Click ‘Have disk’.

9 Click ‘Browse’.



Look in: Win2000

OEMSETUP.INF

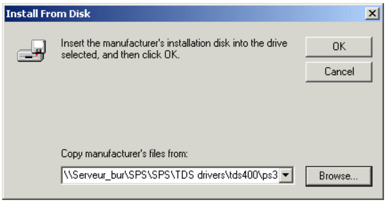
File name: OEMSETUP.INF

Files of type: Setup Information (*.inf)

10 Browse to locate the directory where the Océ Postscript 3 driver distribution is located.

11 Select the ‘oemsetup.inf’ file.

12 Click ‘Open’. The ‘Install from disk’ window is again displayed, with the selected path appearing on the ‘copy files from…’ line:



Insert the manufacturer's installation disk into the drive selected, and then click OK.

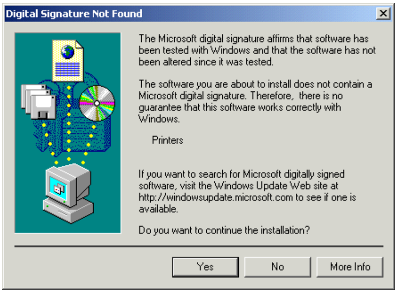
Copy manufacturer's files from:

\\Serveur_bur\SPS\SPS\TDS drivers\tds400\ps3

13 Click ‘OK’. The ‘Add Printer Wizard’ window is displayed.

14 Select the Océ TDS printer.

15 Click ‘OK’.The ‘Digital signature not found’ window is displayed:



The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.

The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.

Printers

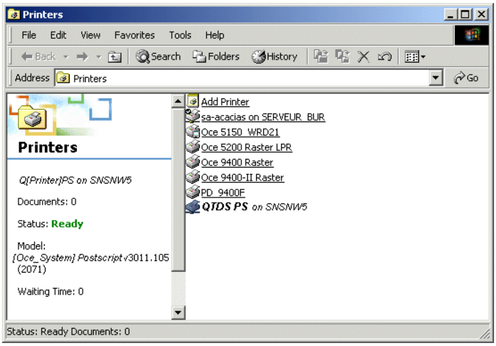
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.

Do you want to continue the installation?

16 Click ‘Yes’. Files are copied to the PC's hard disk drive, then the ‘Default printer’ window is displayed.

17 Select if you want the TDS Printer to be the default printer or not and click ‘Next’.

18 To close the wizard click ‘Finish’. The ‘Printers’ window is displayed, with the newly-installed TDS printer in the available printers list:



Address: Printers

Printers

Q[Printer]PS on SNSNW5

Documents: 0

Status: Ready

Model:
[Oce_System] Postscript v3011.105 (2071)

Waiting Time: 0

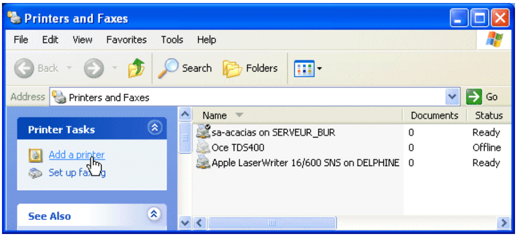
- Add Printer
- sa-acacias on SERVEUR_BUR
- Oce 5150_WRD21
- Oce 5200 Raster LPR
- Oce 9400 Raster
- Oce 9400-II Raster
- PD_9400F
- QTDS PS on SNSNW5

Status: Ready Documents: 0

~

Setup Windows XP/Server 2003 workstation

1 From the Windows ‘Start’ menu select ‘Settings/Printers and faxes’:

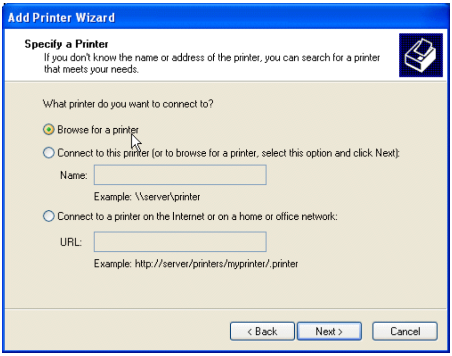


Name	Documents	Status
sa-acacias on SERVEUR_BUR	0	Ready
Oce TDS400	0	Offline
Apple LaserWriter 16/600 SNS on DELPHINE	0	Ready

2 Click ‘Add printer’, it opens the ‘Add Printer Wizard’:

3 Click ‘Next’:

4 On the ‘Local or Network’ printer’ window, select ‘Network printer’ and click ‘Next’. The ‘Specify a Printer’ window displays:



If you don't know the name or address of the printer, you can search for a printer that meets your needs.

What printer do you want to connect to?

● Browse for a printer

○ Connect to this printer (or to browse for a printer, select this option and click Next):

Name:

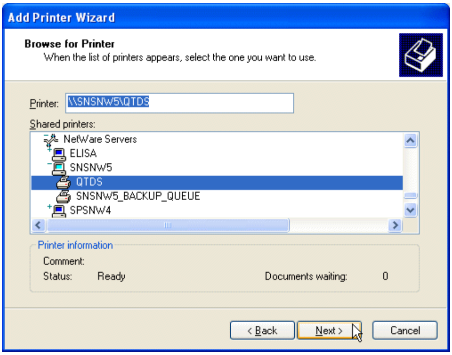
Example: \\server\printer

○ Connect to a printer on the Internet or on a home or office network:

URL:

Example: http://server/printers/myprinter/.printer

5 Click ‘Browse for a printer’ and ‘Next’:



When the list of printers appears, select the one you want to use.

Printer: \\SNSNW5\QTDS

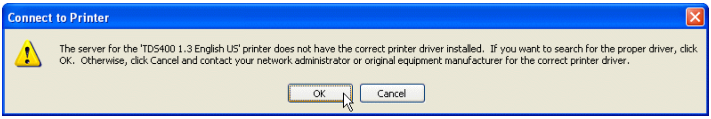
Comment:

Status: Ready

Documents waiting: 0

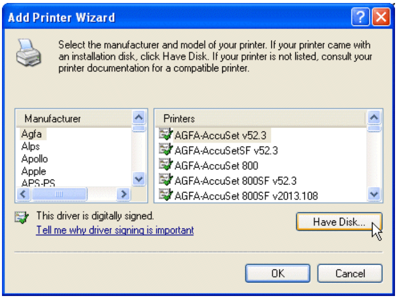
6 Browse the network to locate the server to which the TDS/TCS is connected:
- the correct network (NetWare Network / NetWare Servers)
- the appropriate file server
- the appropriate printer queue

7 Click ‘Next’. A warning message invites you to install the driver.



The server for the 'TDS400 1.3 English US' printer does not have the correct printer driver installed. If you want to search for the proper driver, click OK. Otherwise, click Cancel and contact your network administrator or original equipment manufacturer for the correct printer driver.

8 Click ‘OK’. The ‘Add Printer Wizard’ window is displayed, including a list of manufacturers and printers:



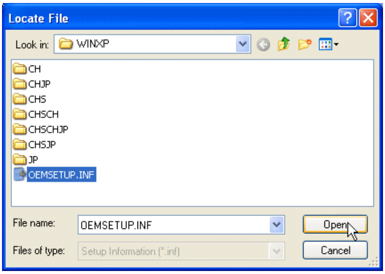
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

Manufacturer	Printers
Agfa	AGFA-AccuSet v52.3
Alps	AGFA-AccuSetSF v52.3
Apollo	AGFA-AccuSet 800
Apple	AGFA-AccuSet 800SF v52.3
APS-PS	AGFA-AccuSet 800SF v2013.108

This driver is digitally signed.
Tell me why driver signing is important

9 Click ‘Have Disk’.

10 Click ‘Browse’:



Look in: WINXP

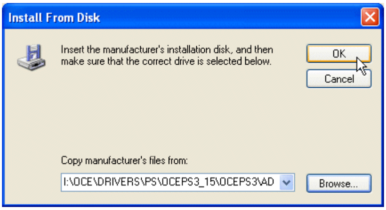
CH
CHJP
CHS
CHSCH
CHSCHJP
CHSJP
JP
OEMSETUP.INF

File name: OEMSETUP.INF
Files of type: Setup Information (*.inf)

11 Browse to locate the directory where the Océ Windows XP Postscript 3 driver distribution is located.

12 Select the ‘oemsetup.inf’ file.

13 Click ‘Open’. The ‘Install from disk’ window is displayed, with the selected path appearing on the ‘copy manufacturer’s files from…’ line:

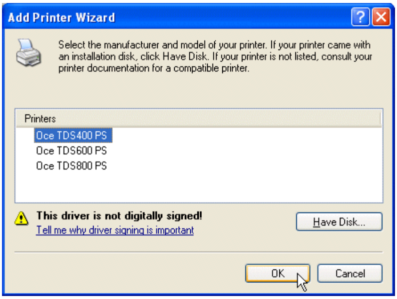


Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.

Copy manufacturer's files from:

I:\OCE\DRIVERS\PS\OCEPS3_15\OCEPS3\AD

14 Click ‘OK’.



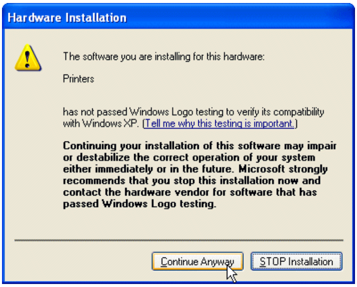
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

Oce TDS400 PS
Oce TDS600 PS
Oce TDS800 PS

This driver is not digitally signed!
Tell me why driver signing is important

15 Select the Océ TDS/TCS printer.

16 Click ‘OK’. The ‘Hardware installation’ window is displayed warning you are installing a driver which has not passed ‘Windows Logo testing’:



The software you are installing for this hardware:

Printers

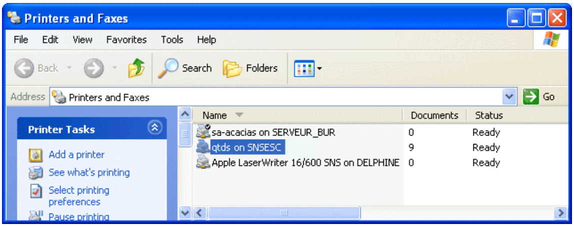
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

17 Click ‘Continue anyway’. Files are copied to the PC's hard disk drive.

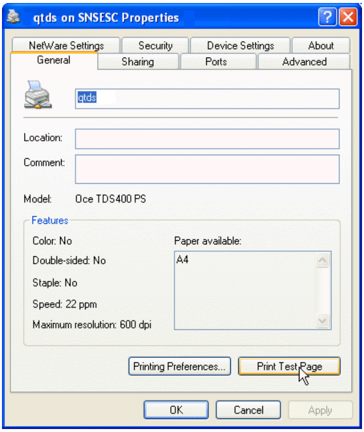
18 Select if you want your printer to be the default printer or not and click ‘Next’.

19 Click ‘Finish’. The ‘Printers’ window is displayed, with the newly-installed printer appearing in the available printers list:



Name	Documents	Status
sa-acacias on SERVEUR_BUR	0	Ready
qtds on SNSESC	9	Ready
Apple LaserWriter 16/600 SNS on DELPHINE	0	Ready

20 Right-click on the printer installed, select ‘Properties’ and print a Test page



qtds

Location:

Comment:

Model: Oce TDS400 PS

Features

Color: No

Double-sided: No

Staple: No

Speed: 22 ppm

Maximum resolution: 600 dpi

Paper available:

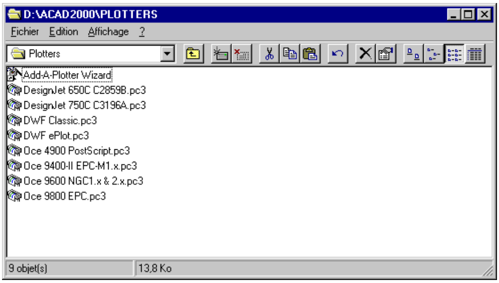
A4

Client Workstation setup (AutoCAD 2000/HDI1 & AutoCAD 2000i-2002/HDI2)

Note: *AutoCAD 2000 or AutoCAD 2000i must be installed on the client station.*

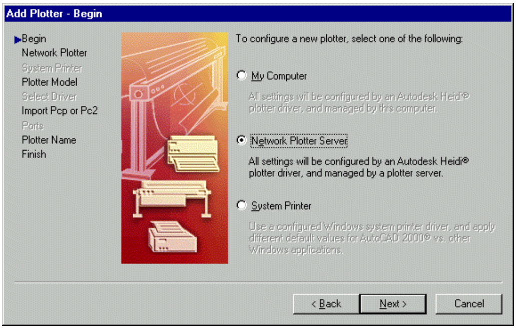
~ **Install the AutoCAD 2000/HDI1 or AutoCAD 2000i/HDI2 drivers**

1 In the AutoCAD menu, select ‘File/ Plotter Manager’.



2 Double-click the ‘Add-a-plotter wizard’ icon.

3 Click ‘Next’. The ‘Add Plotter - Begin’ window is displayed:



To configure a new plotter, select one of the following:

○ My Computer

All settings will be configured by an Autodesk Heidi® plotter driver, and managed by this computer.

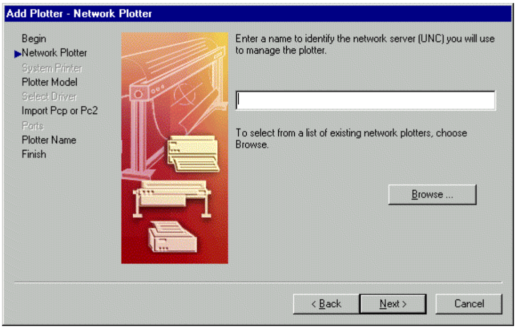
● Network Plotter Server

All settings will be configured by an Autodesk Heidi® plotter driver, and managed by a plotter server.

○ System Printer

Use a configured Windows system printer driver, and apply different default values for AutoCAD 2000® vs. other Windows applications.

4 Select ‘Network plotter server’ and click ‘Next’:

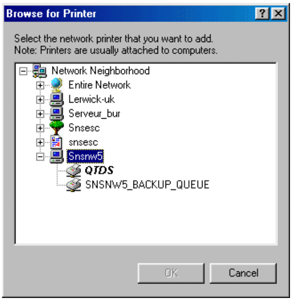


Enter a name to identify the network server (UNC) you will use to manage the plotter.

To select from a list of existing network plotters, choose Browse.

5 Click ‘Browse’.

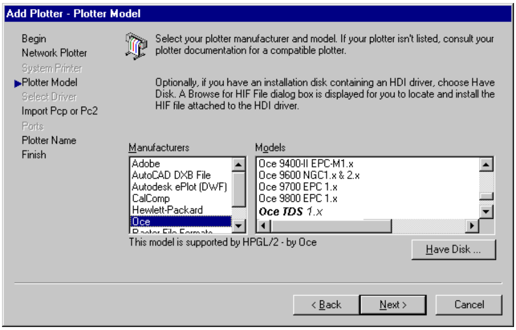
6 Locate the TDS/TCS on the network by selecting:
- the network (Netware network / Netware servers)
- the file server
- the printer queue



Select the network printer that you want to add.
Note: Printers are usually attached to computers.

7 Click ‘OK’.The selected printer name is displayed in the ‘Add plotter- network plotter’ window.

8 Click ‘Next’:



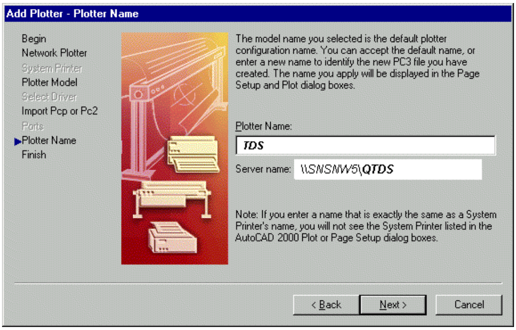
Select your plotter manufacturer and model. If your plotter isn't listed, consult your plotter documentation for a compatible plotter.

Optionally, if you have an installation disk containing an HDI driver, choose Have Disk. A Browse for HIF File dialog box is displayed for you to locate and install the HIF file attached to the HDI driver.

This model is supported by HPGL/2 - by Oce

9 Select ‘Oce’ in the ‘Manufacturers’ list and ‘OceTDS/TCS’ in the ‘Models’ list.

10 Click ‘Next’ twice:



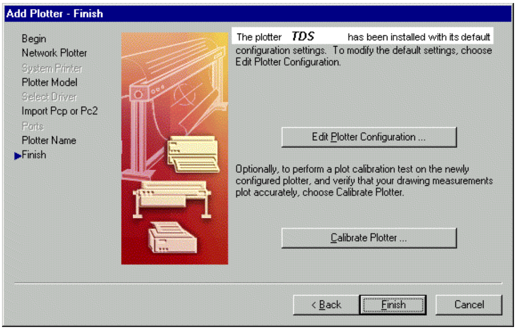
The model name you selected is the default plotter configuration name. You can accept the default name, or enter a new name to identify the new PC3 file you have created. The name you apply will be displayed in the Page Setup and Plot dialog boxes.

Plotter Name: TDS

Server name: \\SNSNW5\QTDS

Note: If you enter a name that is exactly the same as a System Printer's name, you will not see the System Printer listed in the AutoCAD 2000 Plot or Page Setup dialog boxes.

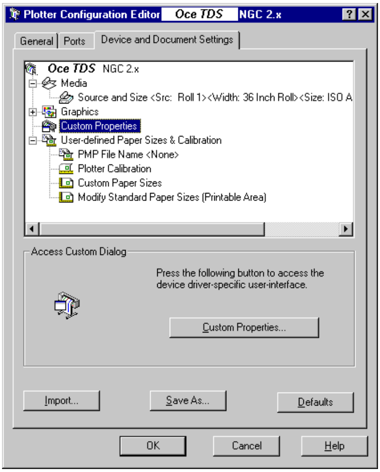
11 Enter a new printer name, if required, and click ‘Next’.



The plotter TDS has been installed with its default configuration settings. To modify the default settings, choose Edit Plotter Configuration.

Optionally, to perform a plot calibration test on the newly configured plotter, and verify that your drawing measurements plot accurately, choose Calibrate Plotter.

12 Click ‘Edit plotter configuration’.



Plotter Configuration Editor Oce TDS NGC 2.x
General
Ports
Device and Document Settings
Oce TDS NGC 2.x
Media
Source and Size <Src: Roll 1><Width: 36 Inch Roll><Size: ISO A
Graphics
Custom Properties
User-defined Paper Sizes & Calibration
PMP File Name <None>
Plotter Calibration
Custom Paper Sizes
Modify Standard Paper Sizes (Printable Area)
Access Custom Dialog
Custom Properties...
Import...
Save As...
Defaults
OK
Cancel
Help

Press the following button to access the device driver-specific user-interface.

13 Click ‘Custom properties’.The ‘Custom properties’ button will appear in the ‘Access custom dialogue’ part of the window.

14 Click ‘Custom Properties’.

15 Setup the printer parameters.

16 Click ‘OK’.
The ‘Plotter configuration Editor’ window is again displayed.

17 Click ‘OK’.

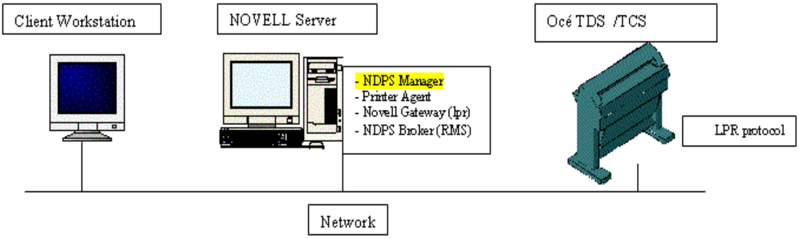
18 Click ‘Finish’.

NDPS Setup

Novell® Distributed Print Services® (NDPS®)

Note: *The Novell® Distributed Print Services$_{TM}$ (NDPS$_{TM}$) is the default and preferred print system in NetWare® 5$_{TM}$ and available in NetWare® 6$_{TM}$.*

A Printer Agent (representing all the printer characteristics) is defined on Novell Server. A client sends jobs to the printer on the Novell server. The Novell server sends the job(s) to the Océ TDS/TCS through a Novell Gateway by using **lpr** protocol. NDPS Manager manages the printer Agent. The NDPS broker Resource Management Service (RMS) component allows resources (printer drivers, printer definition files, banners, and fonts) to be installed in a central location and then downloaded to clients, printers, or any other entity on the network that needs them.



[7] Overview of NDPS

Configuration You need to configure the Client Workstation, the Océ TDS/TCS controller and the NOVELL Server.

Note: *The Peer-to-Peer connection does not exist on NDPS.*

~ **Setup**

1 Setup the Océ TDS/TCS controller.
2 Setup the Novell Server.
3 Setup the client workstation (driver installation).

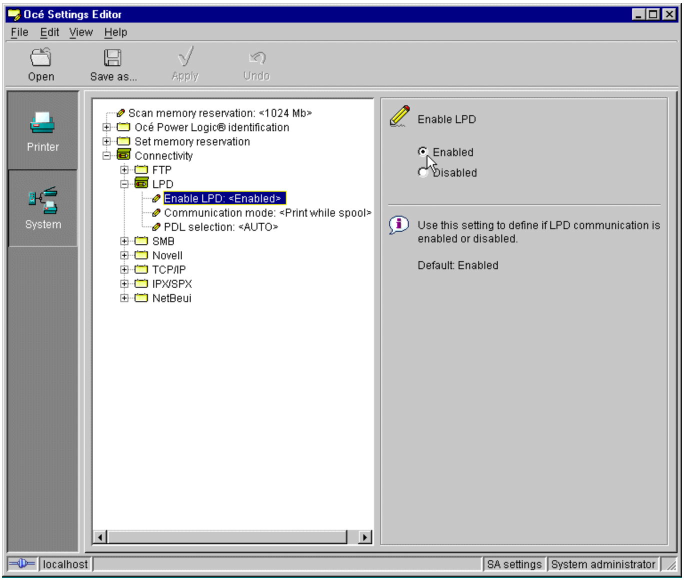
Controller Setup

In NDPS environment, the Novell Server sends jobs to the TDS/TCS controller by means of the LPR protocol, so this protocol must be enabled on Controller.

~ **Enable the LPR protocol for all Océ TDS/TCS systems except Océ TCS300**

Note: *You MUST be logged on as a 'System Administrator'.*

1 Switch the Océ Settings Editor in SA Mode (see'Switch the Océ Settings Editor in SA Mode' on page 263).
2 Expand the 'Connectivity' Folder.
3 Expand the 'LPD' folder.
4 Select 'Enable LPD' document.
5 Select 'Enabled' on the right window ('Enable LPD'):



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
  FTP
  LPD
    Enable LPD: <Enabled>
    Communication mode: <Print while spool>
    PDL selection: <AUTO>
  SMB
  Novell
  TCP/IP
  IPX/SPX
  NetBeui

Enable LPD

● Enabled
○ Disabled

Use this setting to define if LPD communication is enabled or disabled.

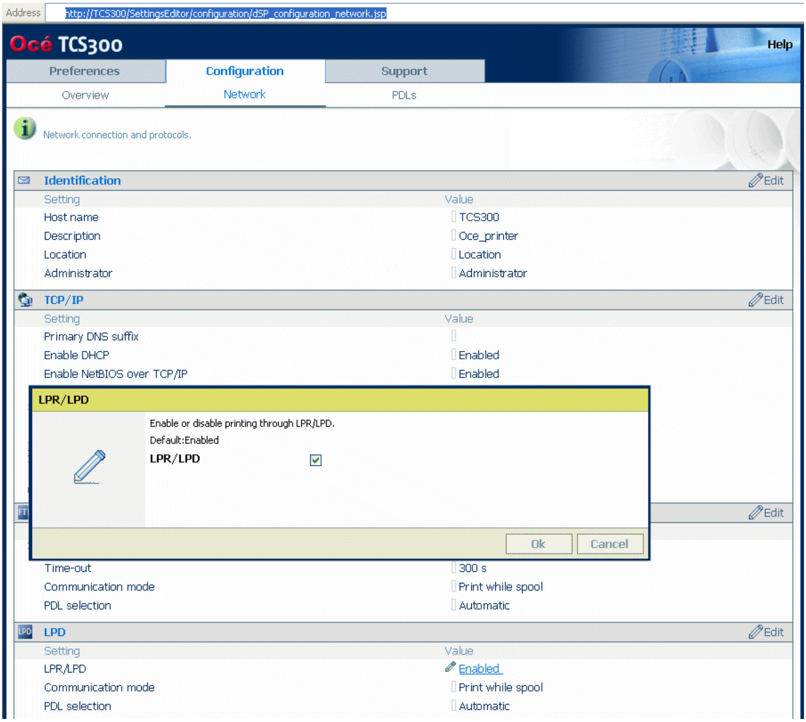
Default: Enabled

6 Click 'Apply'.
7 Reboot the controller (see'Reboot the controller' on page 265).

~ Enable the LPR Protocol for Océ TCS300

Note: *The LPR protocol is enabled by default for the TCS300.*

1. From a client workstation, open a web browser and access the Océ TCS300 Settings Editor (http://<*TCS300 HOSTNAME*> - see ‘Configure the Océ TCS300 settings for integration in a network’ on page 30).
2. On the ‘Configuration’ tab, select ‘Network’.
3. On the ‘LPD’section / ‘LPR/LPD’ setting, click on ‘Disabled’ to access the administration interface.
4. Log on as a System Administrator to open the LPR window.
5. Enable the LPR/LPD setting and validate.



http://TCS300/SettingsEditor/configuration/dSP_configuration_network.jsp

Network connection and protocols.

Identification

Setting	Value
Host name	TCS300
Description	Oce_printer
Location	Location
Administrator	Administrator

TCP/IP

Setting	Value
Primary DNS suffix	
Enable DHCP	Enabled
Enable NetBIOS over TCP/IP	Enabled

LPR/LPD

Enable or disable printing through LPR/LPD.

Default:Enabled

LPR/LPD ☑

Setting	Value
Time-out	300 s
Communication mode	Print while spool
PDL selection	Automatic

LPD

Setting	Value
LPR/LPD	Enabled
Communication mode	Print while spool
PDL selection	Automatic

Novell Server Setup

This section is aimed at the Local Network Administrator and describes how to setup the Novell Server to prepare NDPS environment printing:

1 Create a NDPS Manager
2 Create a Printer Agent
3 Configure the NDPS broker Resource Management Service (RMS)

First, you have to check whether the NDPS component is installed on the Novell Server; otherwise, install it (refer to Your Novell Netware installation manual).

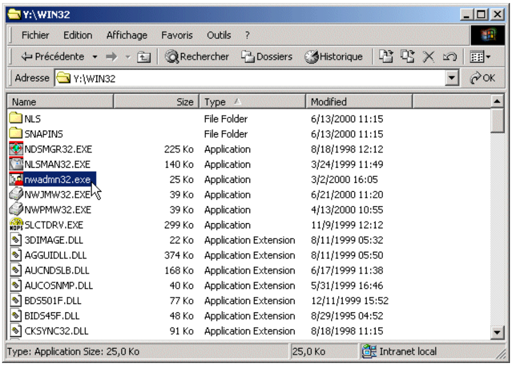
Create a NDPS Manager

The NDPS Manager is used to create and manage server-based Printer Agents (similar to the way PSERVER is used on servers to manage printing resources in legacy printing). You must create an NDPS Manager on each Novell server you will be controlling NDPS printers from.

Note: *You MUST be logged on as Novell System Administrator on any Windows WorkStation running Novell Client 32 over any MS Windows operating System.*

~ **Launch the Administrator task**

1 Logon as System Administrator, using the proper Context, Tree and Server.
2 Launch the Novell Administration Task (Nwadmn32.exe) located in. \\'Novell_Server'\SYS\public\WIN32 (also generally mapped on Z:\Win32.)



Adresse Y:\WIN32

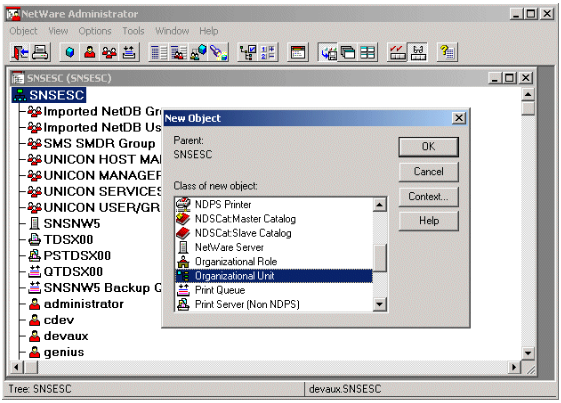
Name	Size	Type	Modified
NLS		File Folder	6/13/2000 11:15
SNAPINS		File Folder	6/13/2000 11:15
NDSMGR32.EXE	225 Ko	Application	8/18/1998 12:12
NLSMAN32.EXE	140 Ko	Application	3/24/1999 11:49
nwadmn32.exe	25 Ko	Application	3/2/2000 16:05
NWJMW32.EXE	39 Ko	Application	6/21/2000 11:20
NWPMW32.EXE	39 Ko	Application	4/13/2000 10:55
SLCTDRV.EXE	299 Ko	Application	11/9/1999 12:12
3DIMAGE.DLL	22 Ko	Application Extension	8/11/1999 05:32
AGGUIDLL.DLL	374 Ko	Application Extension	8/11/1999 05:50
AUCNDSLB.DLL	168 Ko	Application Extension	6/17/1999 11:38
AUCOSNMP.DLL	40 Ko	Application Extension	5/31/1999 16:46
BDS501F.DLL	77 Ko	Application Extension	12/11/1999 15:52
BIDS45F.DLL	48 Ko	Application Extension	8/29/1995 04:52
CKSYNC32.DLL	91 Ko	Application Extension	8/18/1998 11:15

Type: Application Size: 25,0 Ko 25,0 Ko Intranet local

In the following steps, objects are created using ‘Novell Administration’ console. You just need to select the existing object where you want to add a new one, then create a new object by either:

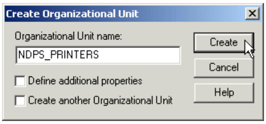
- Netware Administrator/Object/Create action
- Right click on the container where the new object is added
- or press the ‘INS’ key

In our example, we create a Container (an Organisation Unit = NDPS_PRINTERS) where we create all the objects for NDPS printers.



Parent:
SNSESC

Class of new object: Organizational Unit



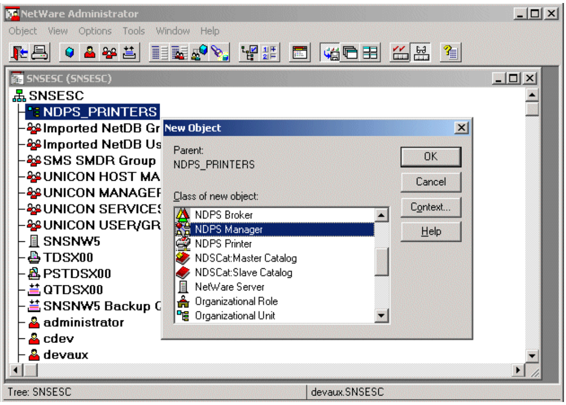
Organizational Unit name: NDPS_PRINTERS

☐ Define additional properties

☐ Create another Organizational Unit

Create a NDPS Manager

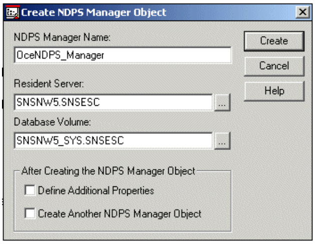
1 Select NDPS_PRINTERS and create a new object:



Parent:
NDPS_PRINTERS

Class of new object: NDPS Manager

2 Give the name, Server to run on, and volume location:


Create NDPS Manager Object
Create
Cancel
Help
After Creating the NDPS Manager Object

NDPS Manager Name: OceNDPS_Manager

Resident Server: SNSNW5.SNSESC

Database Volume: SNSNW5_SYS.SNSESC

☐ Define Additional Properties

☐ Create Another NDPS Manager Object

Attention: *To autoload the NDPS Manager when you restart the Novell server, add the following line to your server's autoexec.ncf file (otherwise, the NDPS manager will not be loaded after rebooting the Novell Server): load ndpsm* 'NDPS Manager name and context'

For instance, in this example, the following line must be added:
load ndpsm .OceNDPS_Manager.NDPS_PRINTERS.SNSESC

NDPS Printer Agent

NDPS printers must be represented by a logical entity known as a Printer Agent. No Printer Agent can represent more than one printer, and no printer can be represented by more than one Printer Agent.

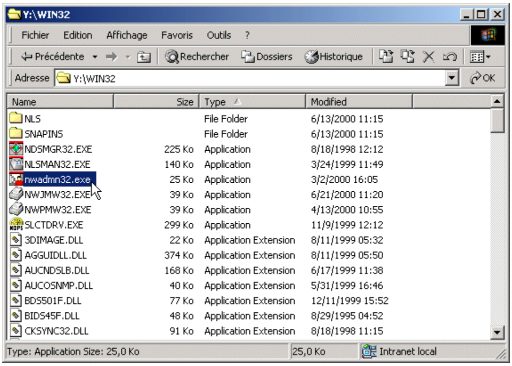
The Printer Agent lies at the heart of NDPS, combining the functions previously performed by a printer, print queue, print server, and spooler into one intelligent and simplified entity.

Note: *You MUST be logged on as Novell System Administrator on any Windows WorkStation running Novell Client 32 over any MS Windows operating System.*

~ Launch the Administrator task

1 Logon as System Administrator, using the proper Context, Tree and Server

2 Launch the Novell Administration Task (Nwadmn32.exe) located in. \\'Novell_Server'\SYS\public\WIN32 (also generally mapped on Z:\Win32.)



Name	Size	Type	Modified
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SNAPINS		File Folder	6/13/2000 11:15
NDSMGR32.EXE	225 Ko	Application	8/18/1998 12:12
NLSMAN32.EXE	140 Ko	Application	3/24/1999 11:49
nwadmn32.exe	25 Ko	Application	3/2/2000 16:05
NWJMW32.EXE	39 Ko	Application	6/21/2000 11:20
NWPMW32.EXE	39 Ko	Application	4/13/2000 10:55
SLCTDRV.EXE	299 Ko	Application	11/9/1999 12:12
3DIMAGE.DLL	22 Ko	Application Extension	8/11/1999 05:32
AGGUIDLL.DLL	374 Ko	Application Extension	8/11/1999 05:50
AUCNDSLB.DLL	168 Ko	Application Extension	6/17/1999 11:38
AUCOSNMP.DLL	40 Ko	Application Extension	5/31/1999 16:46
BDS501F.DLL	77 Ko	Application Extension	12/11/1999 15:52
BIDS45F.DLL	48 Ko	Application Extension	8/29/1995 04:52
CKSYNC32.DLL	91 Ko	Application Extension	8/18/1998 11:15

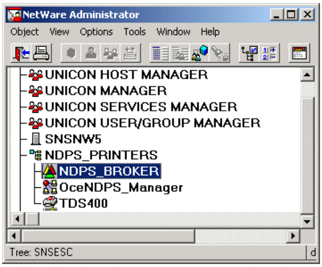
Type: Application Size: 25,0 Ko | 25,0 Ko | Intranet local

In the following steps, objects are created using Novell Administration console, you just have to select the existing object where you want to add a new object, then create a new object by either:

- Netware Administrator/Object/Create action
- Right click on the container where the new object is added
- or press the 'INS' key

3 Before creating the Printer Agent, check whether there is an object NDPS broker already running. If not, you may have trouble to create a Printer Agent.

To check whether an NDPS broker object is active, search for a 3 interlaced triangles object with Netware Administrator console:

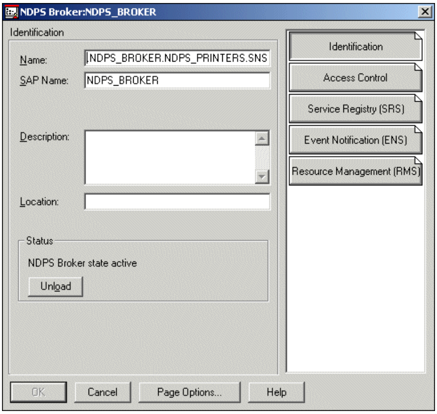


If not present, NO NDPS broker is installed, go to section ‘NDPS Broker setup’ on page 181.

If present, double-click on it, and check the status in the identification section:

- If Status is ‘NDPS broker state down’, go to section ‘NDPS Broker setup’ on page 181.
- If Status is ‘NDPS broker state active’ go to next step

For example, NDPS broker state active:



Name: NDPS_BROKER.NDPS_PRINTERS.SNS

SAP Name: NDPS_BROKER

Status

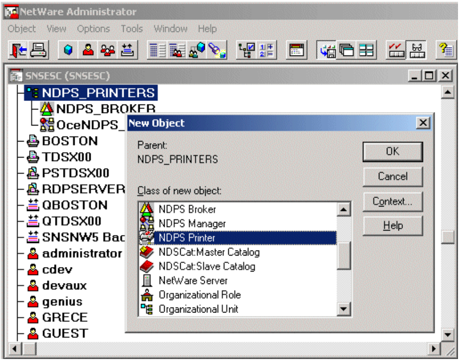
NDPS Broker state active

~

Create the Printer Agent

1 Select NDPS_PRINTERS.

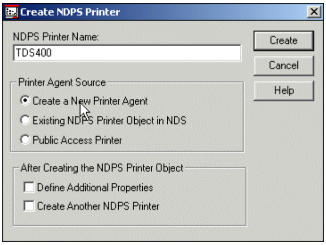
2 Create an NDPS printer object:



Parent:
NDPS_PRINTERS

Class of new object:
- NDPS Broker
- NDPS Manager
- **NDPS Printer**
- NDSCat:Master Catalog
- NDSCat:Slave Catalog
- NetWare Server
- Organizational Role
- Organizational Unit

3 Enter the printer name:



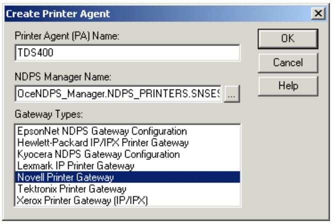
NDPS Printer Name: TDS400

Printer Agent Source
- ● Create a New Printer Agent
- ○ Existing NDPS Printer Object in NDS
- ○ Public Access Printer

After Creating the NDPS Printer Object
- ☐ Define Additional Properties
- ☐ Create Another NDPS Printer

4 Press ‘Create’ then:

- Enter the Printer Agent name
- Enter the NDPS Manager (you previously created)
- Enter the ‘Novell printer gateway’

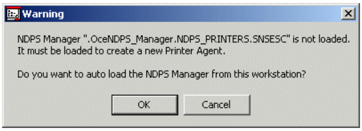


Printer Agent (PA) Name: TDS400

NDPS Manager Name: OceNDPS_Manager.NDPS_PRINTERS.SNSE

Gateway Types:
- EpsonNet NDPS Gateway Configuration
- Hewlett-Packard IP/IPX Printer Gateway
- Kyocera NDPS Gateway Configuration
- Lexmark IP Printer Gateway
- **Novell Printer Gateway**
- Tektronix Printer Gateway
- Xerox Printer Gateway (IP/IPX)

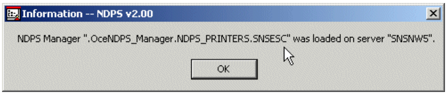
5 The following window may appear if NDPS manager was not already loaded. Confirm by pressing OK:



NDPS Manager ".OceNDPS_Manager.NDPS_PRINTERS.SNSESC" is not loaded.
It must be loaded to create a new Printer Agent.

Do you want to auto load the NDPS Manager from this workstation?

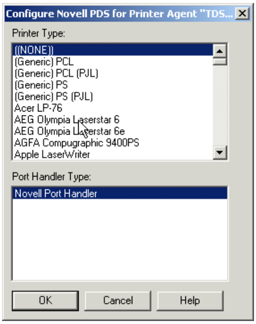
You should see the successful following window:



NDPS Manager ".OceNDPS_Manager.NDPS_PRINTERS.SNSESC" was loaded on server "SNSNW5".

Note: *This window does not appear if NDPS manager was already loaded.*

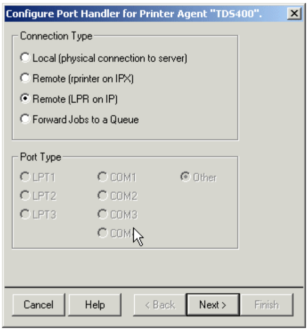
6 Select Printer type: NONE.



Printer Type:
((NONE))
(Generic) PCL
(Generic) PCL (PJL)
(Generic) PS
(Generic) PS (PJL)
Acer LP-76
AEG Olympia Laserstar 6
AEG Olympia Laserstar 6e
AGFA Compugraphic 9400PS
Apple LaserWriter

Port Handler Type:
Novell Port Handler

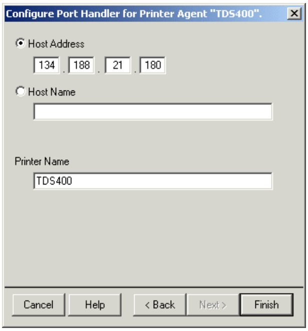
7 Select Connection type to ‘Remote (LPR on IP)’:



Connection Type
○ Local (physical connection to server)
○ Remote (rprinter on IPX)
● Remote (LPR on IP)
○ Forward Jobs to a Queue

Port Type
○ LPT1 ○ COM1 ● Other
○ LPT2 ○ COM2
○ LPT3 ○ COM3
○ COM4

8 Enter the IP address (preferred than hostname which requires DNS resolution on Novell Server) and the Printer name:

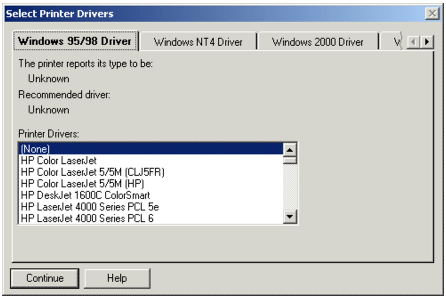

Configure Port Handler for Printer Agent "TDS400".

● Host Address
134 . 188 . 21 . 180

○ Host Name

Printer Name
TDS400

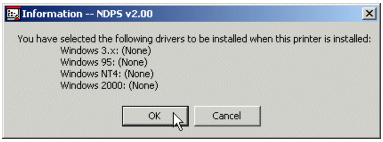
9 Click ‘Finish’ to trigger the Printer Agent creation and starting.


Select Printer Drivers

The printer reports its type to be:
Unknown
Recommended driver:
Unknown

Printer Drivers:
(None)
HP Color LaserJet
HP Color LaserJet 5/5M (CLJ5FR)
HP Color LaserJet 5/5M (HP)
HP DeskJet 1600C ColorSmart
HP LaserJet 4000 Series PCL 5e
HP LaserJet 4000 Series PCL 6

10 Select ‘None’ on every Operating System tab, and click ‘Continue’:


Information -- NDPS v2.00

You have selected the following drivers to be installed when this printer is installed:
Windows 3.x: (None)
Windows 95: (None)
Windows NT4: (None)
Windows 2000: (None)

11 Click ‘OK’ to finish.

NDPS Broker setup

The Broker provides three network support services not previously available in NetWare®:

- Service Registry Service (SRS),
- Event Notification Service (ENS),
- Resource Management Service (RMS): RMS is the one we use below.

The RMS service allows resources (printer drivers, …) to be installed in a central location and then downloaded to clients, printers, or any other entity on the network that needs that resource.

When NDPS is first installed in an NDS tree, a Broker object is created automatically in the container where the Server object resides. A broker should then exist and run on your Novell Server. If not, refer to ‘Create a NDPS broker object’ on page 183.

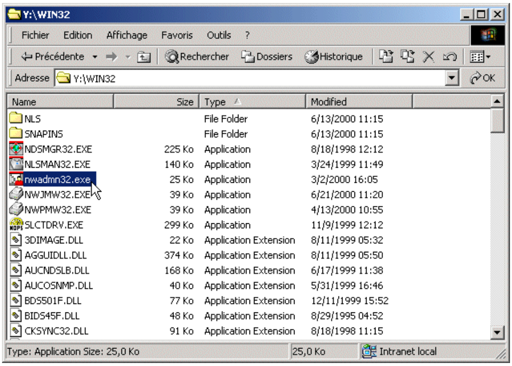
Note: *You MUST be logged on as Novell System Administrator on any Windows WorkStation running Novell Client 32 over any Windows operating System.*

~

Launch the Administrator task

1 Logon as System Administrator, using the proper Context, Tree and Server

2 Launch the Novell Administration Task (Nwadmn32.exe) located in. \\‘Novell_Server’\SYS\public\WIN32 (also generally mapped on Z:\Win32.)



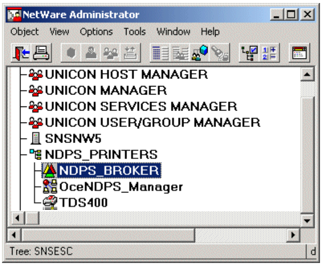
Name	Size	Type	Modified
NLS		File Folder	6/13/2000 11:15
SNAPINS		File Folder	6/13/2000 11:15
NDSMGR32.EXE	225 Ko	Application	8/18/1998 12:12
NLSMAN32.EXE	140 Ko	Application	3/24/1999 11:49
nwadmn32.exe	25 Ko	Application	3/2/2000 16:05
NWJMW32.EXE	39 Ko	Application	6/21/2000 11:20
NWPMW32.EXE	39 Ko	Application	4/13/2000 10:55
SLCTDRV.EXE	299 Ko	Application	11/9/1999 12:12
3DIMAGE.DLL	22 Ko	Application Extension	8/11/1999 05:32
AGGUIDLL.DLL	374 Ko	Application Extension	8/11/1999 05:50
AUCNDSLB.DLL	168 Ko	Application Extension	6/17/1999 11:38
AUCOSNMP.DLL	40 Ko	Application Extension	5/31/1999 16:46
BDS501F.DLL	77 Ko	Application Extension	12/11/1999 15:52
BIDS45F.DLL	48 Ko	Application Extension	8/29/1995 04:52
CKSYNC32.DLL	91 Ko	Application Extension	8/18/1998 11:15

Type: Application Size: 25,0 Ko | 25,0 Ko | Intranet local

In the following steps, objects are created using Novell Administration console. You just have to select the existing object where you want to add a new object, then create a new object by either:
- Netware Administrator/Object/Create action
- Right click on the container where the new object is added
- or press the 'INS' key.

3 Check whether there is an object NDPS broker already running, if not the case follow the below instructions; otherwise, go to next procedure.

To check whether an NDPS broker object exists, search for a 3 interlaced triangles object with Netware Administrator console:



If not present, NO NDPS broker is installed, go to section 'NDPS Broker setup' on page 181.

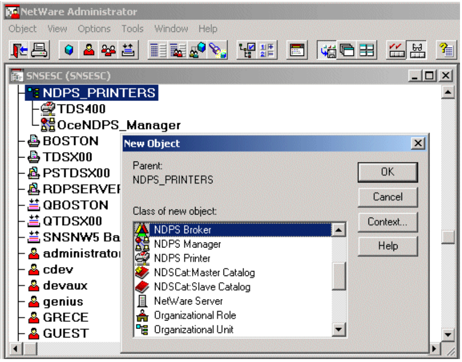
If present, double click on it, and check the status in the identification section:
- If Status is 'NDPS broker state down', go to section 'NDPS Broker setup' on page 181
- If Status is 'NDPS broker state active' go to 'NDPS Broker RMS setup' on page 185.

~

Create a NDPS broker object

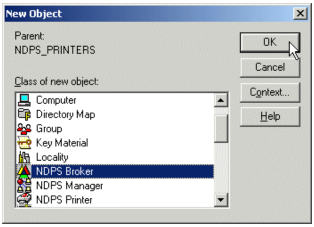
1 Select NDPS_PRINTERS and create a new object.

2 Create an NDPS broker object:



Parent:
NDPS_PRINTERS

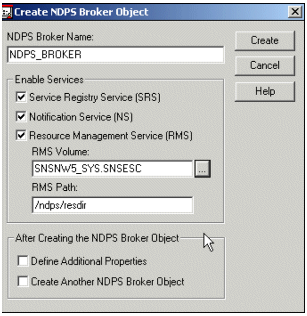
Class of new object: NDPS Broker



Parent:
NDPS_PRINTERS

Class of new object: NDPS Broker

3 Specify Broker name and RMS volume



NDPS Broker Name: NDPS_BROKER

Enable Services

☑ Service Registry Service (SRS)

☑ Notification Service (NS)

☑ Resource Management Service (RMS)

RMS Volume: SNSNW5_SYS.SNSESC

RMS Path: /ndps/resdir

After Creating the NDPS Broker Object

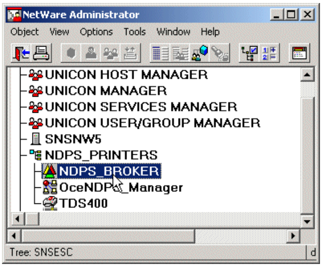
☐ Define Additional Properties

☐ Create Another NDPS Broker Object

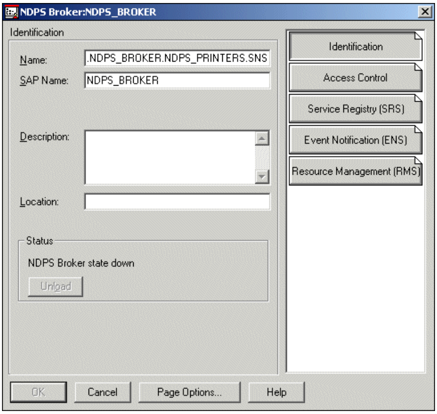
4 Click ‘Create’.

5 Load NDPS broker.

6 Once the object is created, double click on it



Check the status field:



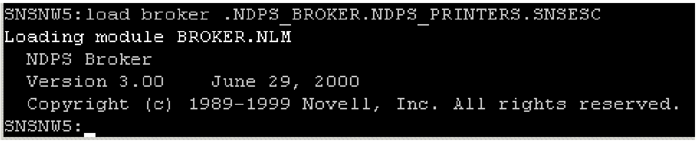
Name: .NDPS_BROKER.NDPS_PRINTERS.SNS

SAP Name: NDPS_BROKER

Status

NDPS Broker state down

7 To activate it, you have to load the broker module on Novell Server:



```
SNSNW5:load broker .NDPS_BROKER.NDPS_PRINTERS.SNSESC
Loading module BROKER.NLM
  NDPS Broker
  Version 3.00    June 29, 2000
  Copyright (c) 1989-1999 Novell, Inc. All rights reserved.
SNSNW5:_
```

8 Check that NDPS broker state is now active.

Attention: *To autoload the NDPS Broker when you restart the Novell server, add the following line to your server's autoexec.ncf file (otherwise, the NDPS broker will not be loaded):*
load broker 'NDPS Broker name and context'

For instance, in this example, the following line must be added:
load broker .NDPS_BROKER.NDPS_PRINTERS.SNSESC

NDPS Broker RMS setup

This section describes how to setup the Novell Server NDPS Broker Resource Manager Service for automatic driver upload, taking the example of the Windows Printer Driver (WPD). The RMS service allows resources (printer drivers, …) to be installed in a central location and then downloaded to clients, printers, or any other entity on the network that needs that resource.

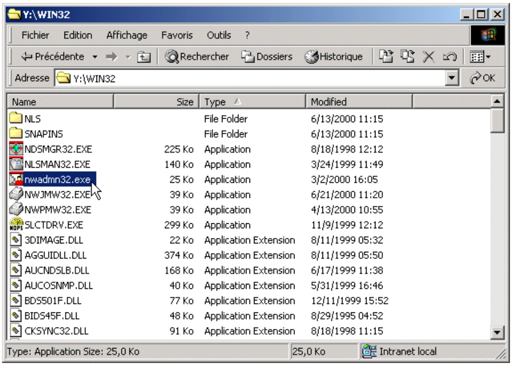
Note: *You MUST be logged on as Novell System Administrator on any Windows WorkStation running Novell Client 32 over any MS Windows operating System.*

~

Launch the Administrator Task

1 Logon as System Administrator, using the proper Context, Tree and Server

2 Launch the Novell Administration Task (Nwadmn32.exe) located in. \\'Novell_Server'\SYS\public\WIN32(also generally mapped on Z:\Win32.)



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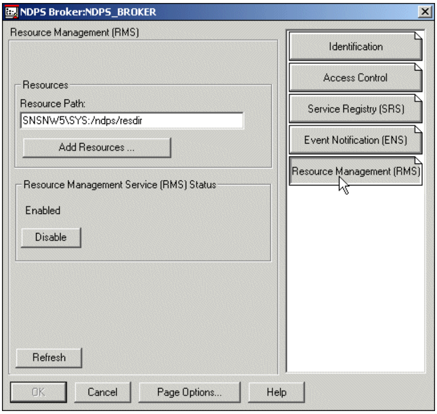
NLSMAN32.EXE	140 Ko	Application	3/24/1999 11:49
nwadmn32.exe	25 Ko	Application	3/2/2000 16:05
NWJMW32.EXE	39 Ko	Application	6/21/2000 11:20
NWPMW32.EXE	39 Ko	Application	4/13/2000 10:55
SLCTDRV.EXE	299 Ko	Application	11/9/1999 12:12
3DIMAGE.DLL	22 Ko	Application Extension	8/11/1999 05:32
AGGUIDLL.DLL	374 Ko	Application Extension	8/11/1999 05:50
AUCNDSLB.DLL	168 Ko	Application Extension	6/17/1999 11:38
AUCOSNMP.DLL	40 Ko	Application Extension	5/31/1999 16:46
BDS501F.DLL	77 Ko	Application Extension	12/11/1999 15:52
BIDS45F.DLL	48 Ko	Application Extension	8/29/1995 04:52
CKSYNC32.DLL	91 Ko	Application Extension	8/18/1998 11:15

Type: Application Size: 25,0 Ko | 25,0 Ko | Intranet local

In the following steps, objects are created using Novell Administration console. You just have to select the existing objects where you want to add a new object, then create a new object by either:

- Netware Administrator/Object/Create action
- Right click on the container where the new object is added
- or press the 'INS' key

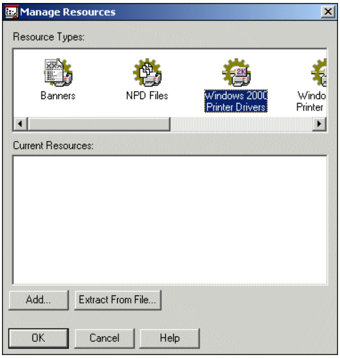
3 Double-click on the NDPS broker to open it, and press the ‘Resource Management (RMS)’ tab:



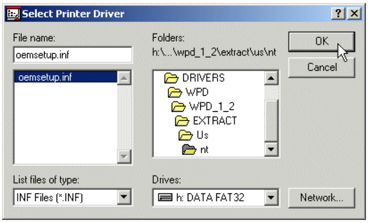
Resource Path: SNSNW5\SYS:/ndps/resdir

Enabled

4 Click ‘Add resources’, and select the Operating System you want to add drivers resources for.



5 Select the Windows Platform and click ‘Add’, then browse to select the Printer driver, and click ‘OK’.



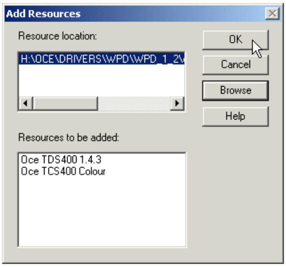
File name: oemsetup.inf

Folders: h:\...\wpd_1_2\extract\us\nt

List files of type: INF Files (*.INF)

Drives: h: DATA FAT32

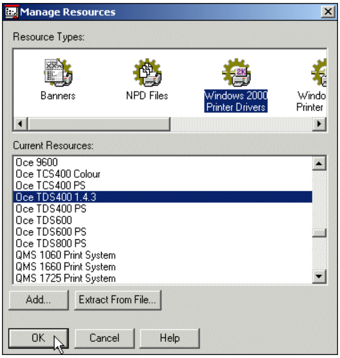
6 The following window appears, press ‘OK’ to install the resources



Resource location:
H:\OCE\DRIVERS\WPD\WPD_1_2\

Resources to be added:
Oce TDS400 1.4.3
Oce TCS400 Colour

You can see the drivers installed on Novell Server:

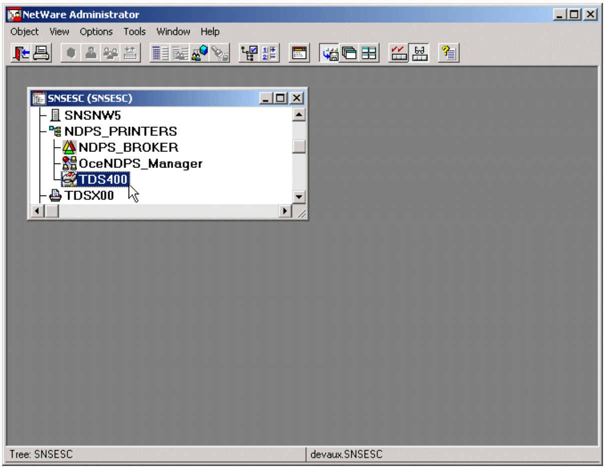


Current Resources:
Oce 9600
Oce TCS400 Colour
Oce TCS400 PS
Oce TDS400 1.4.3
Oce TDS400 PS
Oce TDS600
Oce TDS600 PS
Oce TDS800 PS
QMS 1060 Print System
QMS 1660 Print System
QMS 1725 Print System

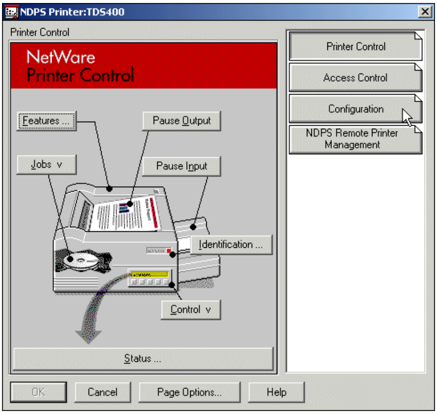
Note: *You can follow the same procedure for the other drivers (WRD3, PS3).*

~ **Assign to the Printer Agent one resource (driver) among those available for automatic download when configuring the client.**

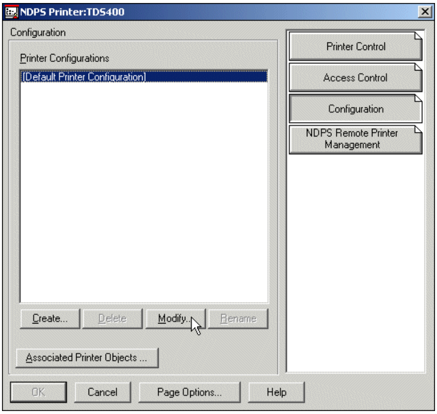
1 Double click on the Printer Object.



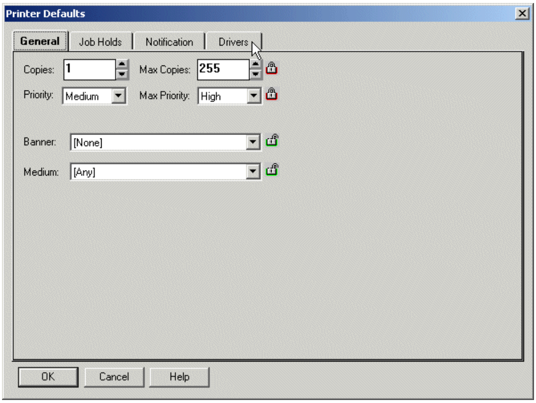
The following window is displayed:



2 Click ‘ Configuration ’.

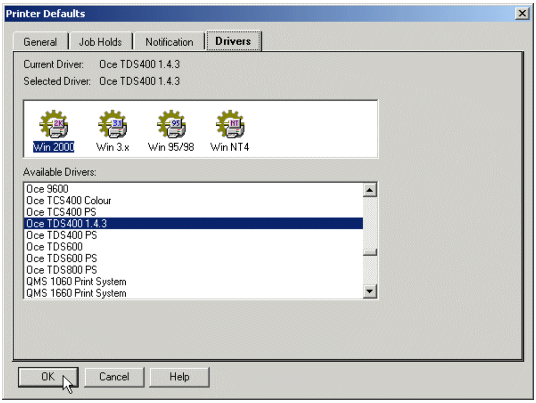


3 Select [Default Printer Configuration], and click ‘ Modify ’ :



Copies: 1
Max Copies: 255
Priority: Medium
Max Priority: High
Banner: [None]
Medium: [Any]

4 Click ‘Drivers’, select the Operating System (Windows 2000 in our example), then select the driver to set as the default one (TDS400 1.4.3 in our example)



Current Driver: Oce TDS400 1.4.3
Selected Driver: Oce TDS400 1.4.3

Available Drivers:

Oce 9600
Oce TCS400 Colour
Oce TCS400 PS
Oce TDS400 1.4.3
Oce TDS400 PS
Oce TDS600
Oce TDS600 PS
Oce TDS800 PS
QMS 1060 Print System
QMS 1660 Print System

5 Click ‘OK’.

6 Click ‘OK’ again in the mother window to finish. Printer Object has for Windows 2000 a default driver ready to be downloaded

Note: *Whatever the supported drivers, you can repeat the operation for any Operating system supported.*

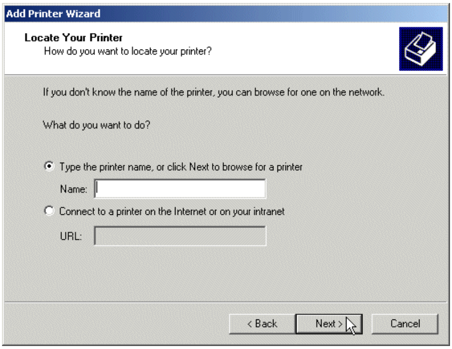
Client WorkStation Setup

This section is aimed at the Local Network Administrator and/or End User. It describes how to setup the Client workstation in order to use the Océ TDS/TCS Printer resource available on the Novell server through the NDPS method.

Note: *The driver must be correctly downloaded on the Server Novell (see 'NDPS Broker RMS setup' on page 185). If not, you can nevertheless install the driver locally, but you lose interest in NDPS printing facilities.*

~ **Set up the workstation under Windows NT/2000/XP/Server 2003 with WPD driver**

1. From the Windows 'Start' menu, select 'Settings/Printers' and double-click 'Add Printer'.
2. In the 'Add Printer Wizard' window, click 'Next' and choose 'Network Printer'
3. Click 'Next':



Add Printer Wizard

Locate Your Printer

How do you want to locate your printer?

If you don't know the name of the printer, you can browse for one on the network.

What do you want to do?

● Type the printer name, or click Next to browse for a printer

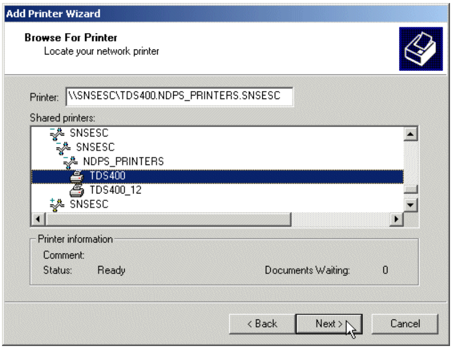
Name:

○ Connect to a printer on the Internet or on your intranet

URL:

4. Click 'Next' to browse to search your NDPS PRINTER.

5 Click on it so that it appears in the ‘Printer’ field like in the following figure:



Add Printer Wizard

Browse For Printer
Locate your network printer

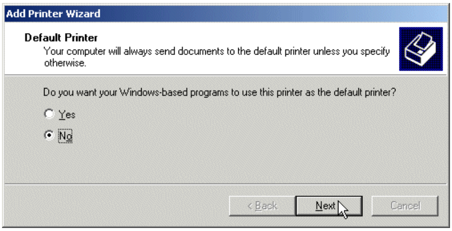
Printer: \\SNSESC\TDS400.NDPS_PRINTERS.SNSESC

Shared printers:

- SNSESC
  - SNSESC
    - NDPS_PRINTERS
      - TDS400
      - TDS400_12
- SNSESC

Printer information
Comment:
Status: Ready
Documents Waiting: 0

6 Click ‘Next’. At this stage, the driver resources are automatically downloaded from Novell Server to the local client workstation (Operating system is automatically recognized).Then the ‘Default Printer’ window is displayed:



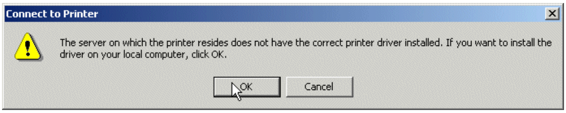
Add Printer Wizard

Default Printer
Your computer will always send documents to the default printer unless you specify otherwise.

Do you want your Windows-based programs to use this printer as the default printer?

○ Yes
● No

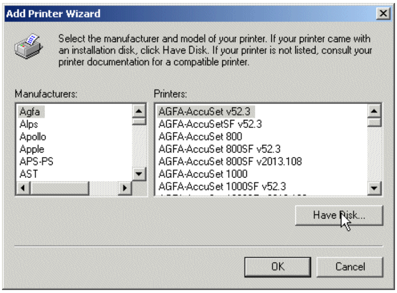
7 If the resource is not available on Novell Server, a window prompts you to install the driver:



Connect to Printer

The server on which the printer resides does not have the correct printer driver installed. If you want to install the driver on your local computer, click OK.

8 To select the driver, click on ‘Have Disk’:



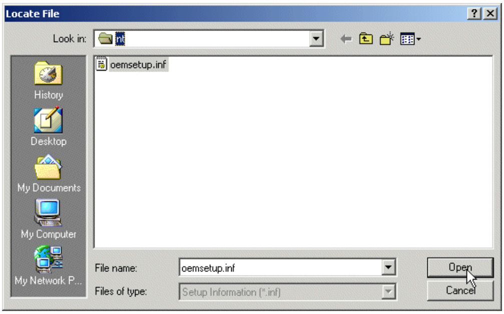
Add Printer Wizard

Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

Manufacturers:
Agfa
Alps
Apollo
Apple
APS-PS
AST

Printers:
AGFA-AccuSet v52.3
AGFA-AccuSetSF v52.3
AGFA-AccuSet 800
AGFA-AccuSet 800SF v52.3
AGFA-AccuSet 800SF v2013.108
AGFA-AccuSet 1000
AGFA-AccuSet 1000SF v52.3

9 Click ‘Browse’ to locate the directory where the Océ Printer Driver distribution is located and select the ‘oemsetup.inf’ file.



oemsetup.inf

File name: oemsetup.inf

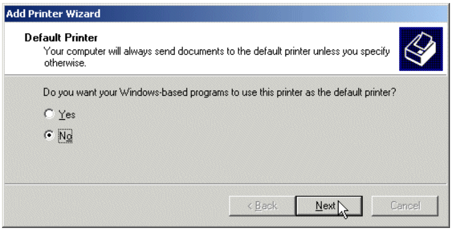
Files of type: Setup Information (*.inf)

10 Click ‘Open’.
The ‘Install from disk’ window is again displayed, with the selected path appearing on the ‘copy Manufacturer’s files from…’ line.

11 Click ‘OK

12 Select the model of the printer.

13 Click ‘OK’.
The driver resources are automatically downloaded from Novell Server to the local client workstation. Then the ‘Default Printer’ window is displayed:



Default Printer

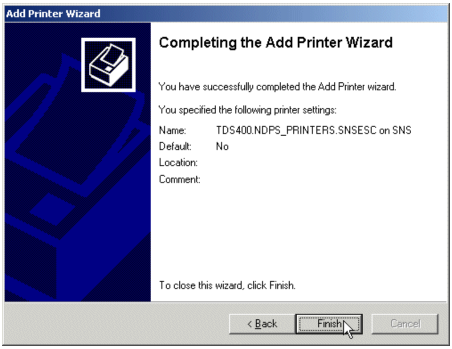
Your computer will always send documents to the default printer unless you specify otherwise.

Do you want your Windows-based programs to use this printer as the default printer?

○ Yes

● No

14 The setup is complete. Click ‘Finish’.



Completing the Add Printer Wizard

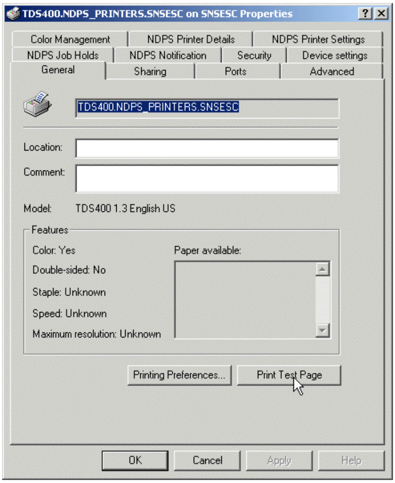
You have successfully completed the Add Printer wizard.

You specified the following printer settings:

Name: TDS400.NDPS_PRINTERS.SNSESC on SNS
Default: No
Location:
Comment:

To close this wizard, click Finish.

15 From the Windows ‘Start’ menu, select ‘Settings/Printers’, right-click on the printer and select ‘Properties’.



TDS400.NDPS_PRINTERS.SNSESC on SNSESC Properties

TDS400.NDPS_PRINTERS.SNSESC

Model: TDS400 1.3 English US

Color: Yes

Double-sided: No

Staple: Unknown

Speed: Unknown

Maximum resolution: Unknown

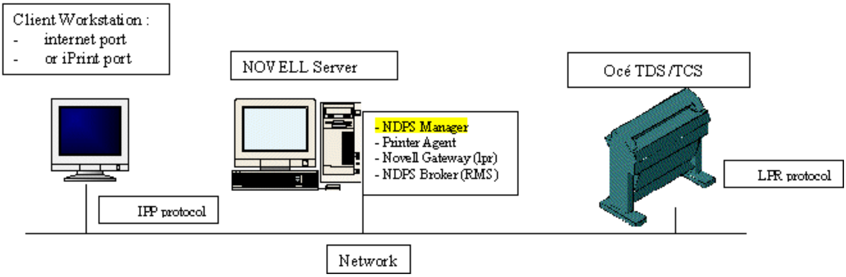
16 Click ‘Print test page’.

Note: *Depending of Novell NW version, Windows XP may be not supported by NDPS procedures; nevertheless, you can use the same procedure as for Windows 2000.*

Note: *The same procedure may be applied for other drivers (WRD3 or PS3).*

iPrint Setup (Novell 6.x, Novell 5.1 with Support Pack 2)

A Printer Agent (representing all the Printer characteristics) is defined on Novell Server. A Client sends jobs to the Novell Server by means of Internet Printing Protocol (IPP). Then the Novell server sends the job(s) to the Océ TDS/TCS through a Novell Gateway by using **LPR** protocol. NDPS Manager manages the printer Agent. The NDPS broker Resource Management Service (RMS) component allows resources (printer drivers, printer definition files, banners, and fonts) to be installed in a central location and then downloaded to clients, printers, or any other entity on the network that needs them.



[8] iPrint overview

iPrint provides easy Web access to customer for selecting and installing required printer driver. Novell took the IPP standard and their own NDPS (Novell Distributed Print Services) and combined the two to produce iPrint.

As iPrint is based on the Novell® Distributed Print Services^{TM} (NDPS®) architecture, in order to use iPrint, you must have NDPS installed and configured on Novell Server (Please refer to your Network Administrator).

iPrint is available on Novell 6.x and can be installed on Novell 5.1 with Support Pack 2.

The Novell Client^{TM} is not required on Client workstation.

iPrint setup requirements:

- Controller setup requires lpr protocol
- Novell Server setup requires:
    - NDPS setup
    - iPrint setup
- Client Setup requires:
    - Windows 98, Me, NT, 2000, XP or Server 2003 Operating Systems
    - Browser (Internet explorer 5.X, Netscape Navigator 4.7x)
    - Novell iPrint client (automatically proposed to be installed the first time iPrint is used from the end user workstation)
    - (Novell Client is NOT required).

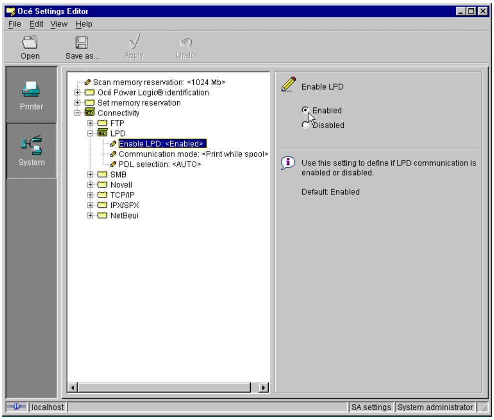
Controller Setup

In NDPS/iPrint environment, the Novell Server send jobs to the TDS/TCS controller by means of the LPR protocol, so this protocol must be enabled on Controller.

Note: *You MUST be logged on as a 'System Administrator'.*

~ **Enable the LPR protocol for all Océ TDS/TCS systems except Océ TCS300**

1. Switch the Océ Settings Editor in SA Mode (see 'Switch the Océ Settings Editor in SA Mode' on page 263).
2. Expand the 'Connectivity' Folder.
3. Expand the 'LPD' folder.
4. Select 'Enable LPD' document.
5. Select 'Enabled' on the right window ('Enable LPD'):



Scan memory reservation: <1024 Mb>
- Océ Power Logic® identification
- Set memory reservation
- Connectivity
  - FTP
  - LPD
    - Enable LPD: <Enabled>
    - Communication mode: <Print while spool>
    - PDL selection: <AUTO>
  - SMB
  - Novell
  - TCP/IP
  - IPX/SPX
  - NetBeui

Enable LPD

● Enabled
○ Disabled

Use this setting to define if LPD communication is enabled or disabled.

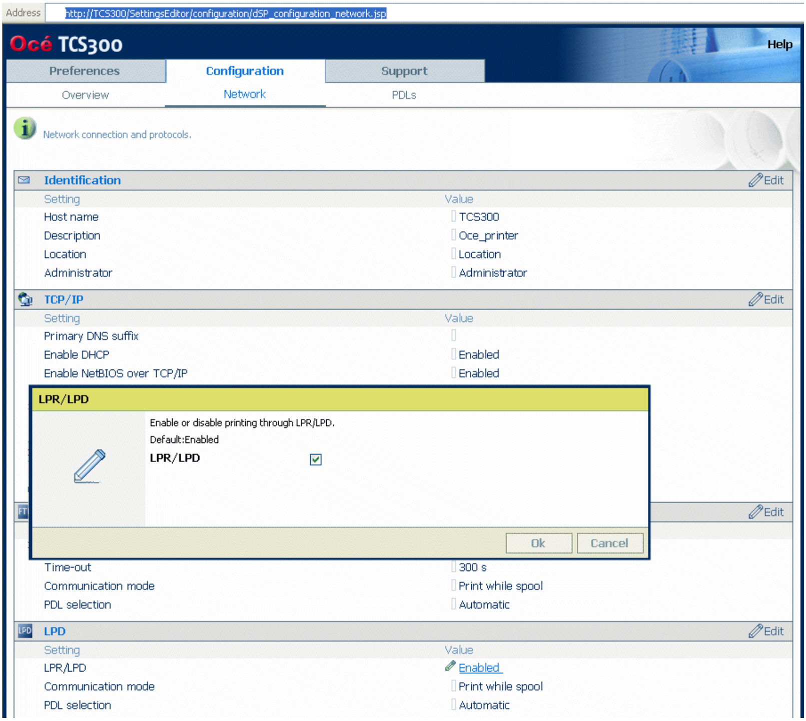
Default: Enabled

6. Click 'Apply'
7. Reboot the controller (see 'Reboot the controller' on page 265).

~ Enable the LPR Protocol for Océ TCS300

Note: *The LPR protocol is enabled by default for the TCS300.*

1. From a client workstation, open a web browser and access the Océ TCS300 Settings Editor (http://<*TCS300 HOSTNAME*> - see ‘Configure the Océ TCS300 settings for integration in a network’ on page 30).
2. On the ‘Configuration’ tab, select ‘Network’.
3. On the ‘LPD’section / ‘LPR/LPD’ setting, click on ‘Disabled’ to access the administration interface.
4. Log on as a System Administrator to open the LPR window.
5. Enable the LPR/LPD setting and validate.



Address: http://TCS300/SettingsEditor/configuration/dSP_configuration_network.jsp

Network connection and protocols.

Identification

Setting	Value
Host name	TCS300
Description	Oce_printer
Location	Location
Administrator	Administrator

TCP/IP

Setting	Value
Primary DNS suffix	
Enable DHCP	Enabled
Enable NetBIOS over TCP/IP	Enabled

LPR/LPD

Enable or disable printing through LPR/LPD.

Default:Enabled

LPR/LPD ☑

Setting	Value
Time-out	300 s
Communication mode	Print while spool
PDL selection	Automatic

LPD

Setting	Value
LPR/LPD	Enabled
Communication mode	Print while spool
PDL selection	Automatic

Novell Server setup

NDPS setup on Novell Server

Although NDPS setup is described in previous section (NDPS setup), we describe now another quick way to setup NDPS by using a new Novell 6.x feature: ‘Configuring NDPS using a Web browser on a client workstation’ (no Novell client required).
However the Web services should be configured on the Novell server (see your Novell Administrator).

~ **NDPS setup steps:**

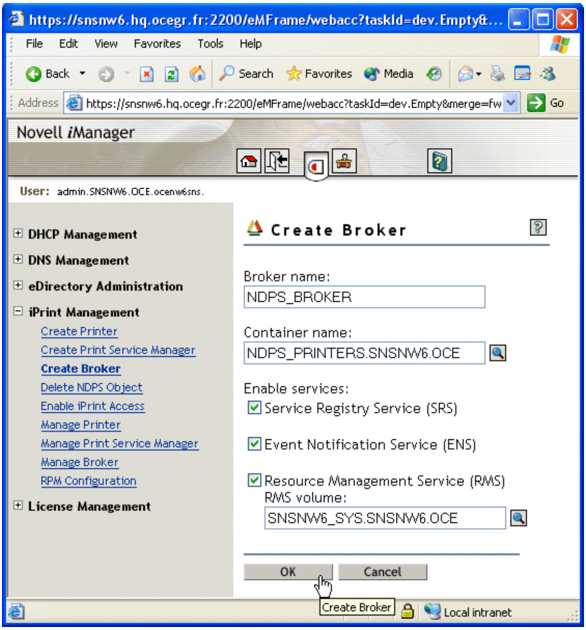
1. Create and configure NDPS broker
2. Create/Start an NDPS Print Manager
3. Create an NDPS Printer Object

These 3 steps are described below:

~ Step 1: Create a NDPS broker

1 With your preferred Web browser, authenticate to the eDirectory iManager (Ask your Novell Administrator for accessing to the Netware Web Manager URL which is https://snsnw6:2200 in our example)

2 In menu: iPrint Management/ Create Broker, give a name, a container where to put the broker, and a RMS volume:



User: admin.SNSNW6.OCE.ocenw6sns.

Broker name: NDPS_BROKER

Container name: NDPS_PRINTERS.SNSNW6.OCE

Enable services:

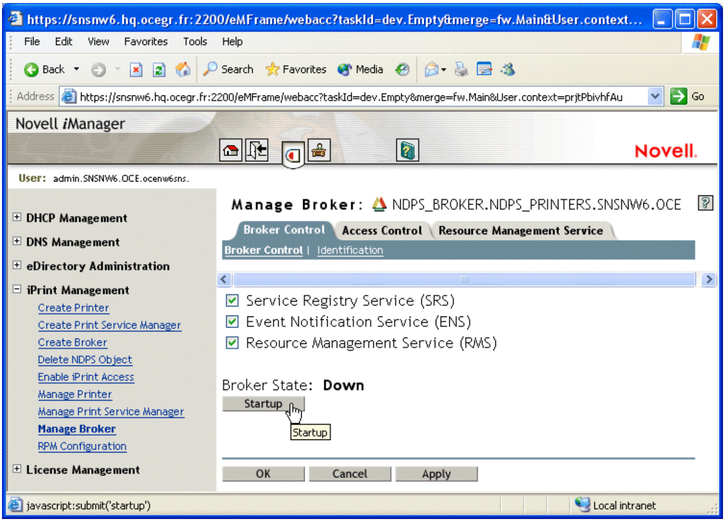
☑ Service Registry Service (SRS)

☑ Event Notification Service (ENS)

☑ Resource Management Service (RMS)

RMS volume: SNSNW6_SYS.SNSNW6.OCE

3 Activate the Broker: in menu iPrint Management/ Manage Broker, select thus you just created, click on ‘Startup’, and check the operation is successful:



https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=prjtPbivhfAu

User: admin.SNSNW6.OCE.ocenw6sns.

Manage Broker: NDPS_BROKER.NDPS_PRINTERS.SNSNW6.OCE

☑ Service Registry Service (SRS)
☑ Event Notification Service (ENS)
☑ Resource Management Service (RMS)

Broker State: **Down**

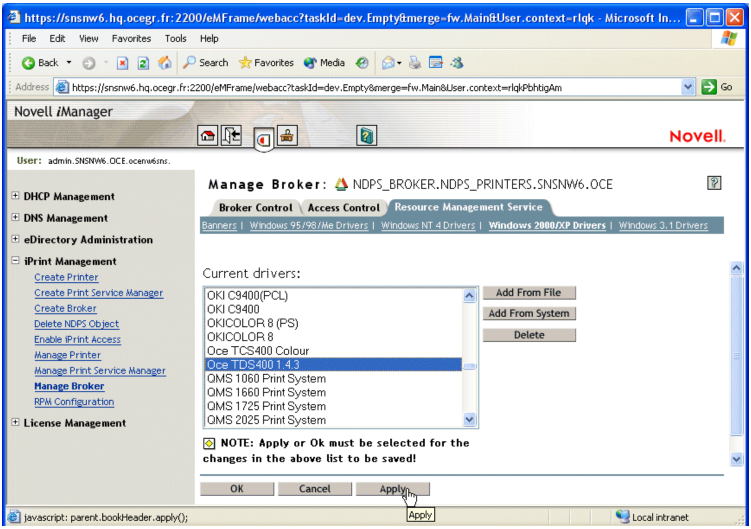
javascript:submit('startup')

4 As the NDPS broker is the repository for the drivers, you need to configure it and add the different relevant drivers for the different OS. First check that iPrint Client is installed (if not install it).

5 In the ‘iPrint Management/ Manage Broker/ Resource Management Service Tab/ Add from file’ menu, select the driver, click OK.

6 Repeat for any drivers you want to add.

7 Click ‘Apply’ or ‘OK’ in the Resource Management Service:


https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=rlqk - Microsoft In...
File Edit View Favorites Tools Help
Back Search Favorites Media
Address https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=rlqkPbhtigAm
Go
Novell iManager
Novell.
User: admin.SNSNW6.OCE.ocenw6sns.
DHCP Management
DNS Management
eDirectory Administration
iPrint Management
Create Printer
Create Print Service Manager
Create Broker
Delete NDPS Object
Enable iPrint Access
Manage Printer
Manage Print Service Manager
Manage Broker
RPM Configuration
License Management
Manage Broker: NDPS_BROKER.NDPS_PRINTERS.SNSNW6.OCE
Broker Control
Access Control
Resource Management Service
Banners | Windows 95/98/Me Drivers | Windows NT 4 Drivers | Windows 2000/XP Drivers | Windows 3.1 Drivers
Add From File
Add From System
Delete
OK
Cancel
Apply
Apply
javascript: parent.bookHeader.apply();
Local intranet

Current drivers:

OKI C9400(PCL)
OKI C9400
OKICOLOR 8 (PS)
OKICOLOR 8
Oce TCS400 Colour
Oce TDS400 1.4.3
QMS 1060 Print System
QMS 1660 Print System
QMS 1725 Print System
QMS 2025 Print System

NOTE: Apply or Ok must be selected for the changes in the above list to be saved!

Attention: *To autoload the NDPS Broker when you restart the Novell server, add the following line to your server's* ***autoexec.ncf*** *file:*

```
load broker <NDPS Broker name and context>
```

For example in our case:

```
load broker .NDPS_BROKER.NDPS_PRINTERS.SNSNW6.OCE
```

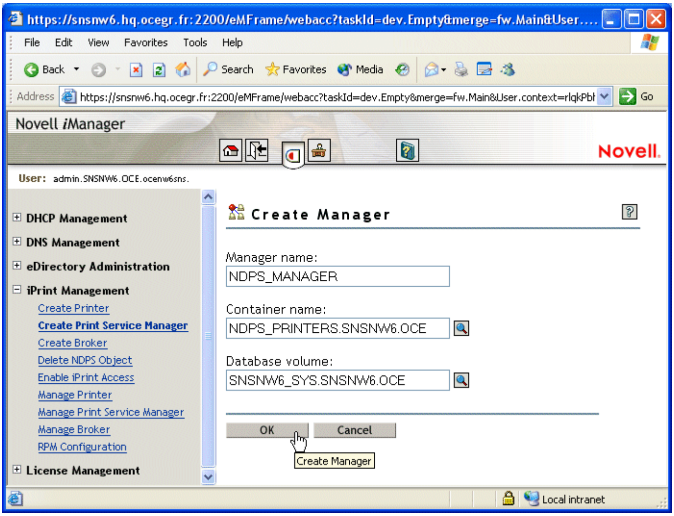
Note: *This can be achieved by loading Netware configuration tool on Novell 6.x Server (ask your Novell Netware Administrator): load nwconfig.*

If this autoload operation is not done, the NDPS broker will not be loaded at startup, moreover you may be confused since iManager services may indicate you the NDPS Broker works correctly.

Step 2: Create/Start a NDPS Print Manager

1 With your preferred Web browser, authenticate to the eDirectory iManager (Ask your Novell Administrator for accessing to the Netware Web Manager URL which is https://snsnw6:2200 in our example)

2 In menu: iPrint Management/ Create Print Service Manager, give a name, a container name and a Database volume where to put the Print Manager and click on OK to create it:



https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User....

Address https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=rlqkPbt

User: admin.SNSNW6.OCE.ocenw6sns.

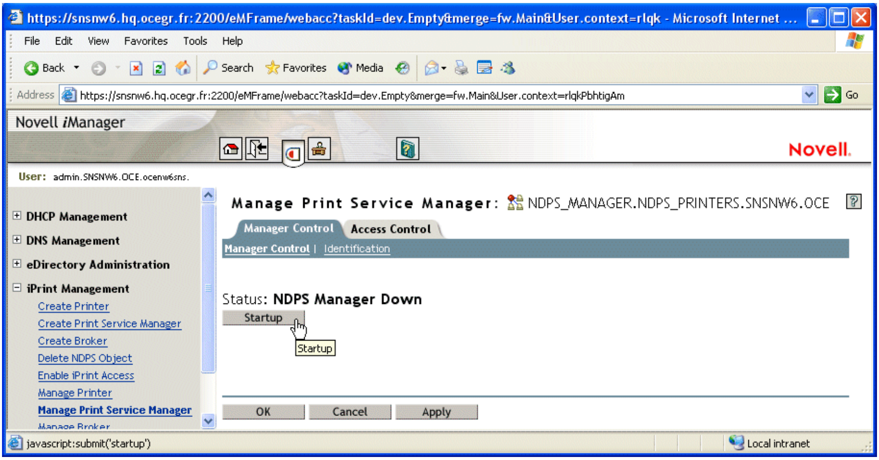
Create Manager

Manager name: NDPS_MANAGER

Container name: NDPS_PRINTERS.SNSNW6.OCE

Database volume: SNSNW6_SYS.SNSNW6.OCE

3 You must now start the NDPS print manager. In menu iPrint Management / Manage Print Service Manager, click on Startup and check the operation is successful:



https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=rlqk - Microsoft Internet ...

Address https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=rlqkPbhtigAm

User: admin.SNSNW6.OCE.ocenw6sns.

Manage Print Service Manager: NDPS_MANAGER.NDPS_PRINTERS.SNSNW6.OCE

Status: **NDPS Manager Down**

javascript:submit('startup')

IMPORTANT: To autoload the NDPS Manager when you restart the Novell server, add the following line to your server's **autoexec.ncf** file:

```
load ndpsm <NDPS Manager name and context>
```

For example in our case:

```
load ndpsm .NDPS_MANAGER.NDPS_PRINTERS.SNSNW6.OCE
```

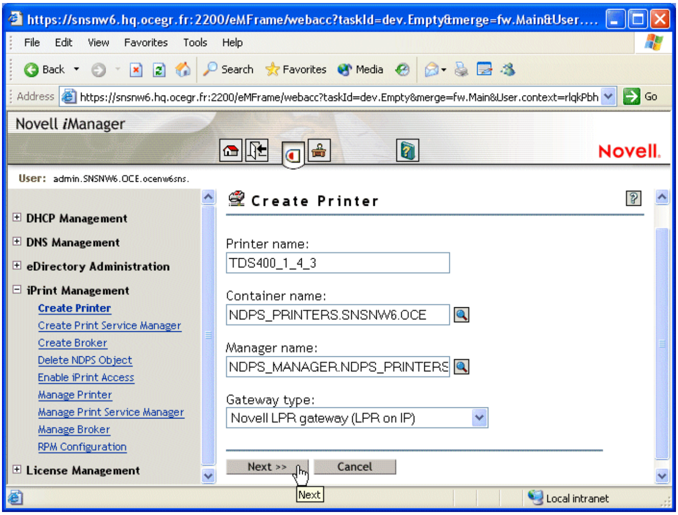
Note: *This can be achieved by loading Netware configuration tool on Novell 6.x Server (ask your Novell Netware Administrator): load nwconfig.*

If this operation is not done, the NDPS manager will not be loaded after rebooting the Novell Server, moreover you may be confused since iManager services may indicate you the NDPS Manager works correctly.

~

Step 3: Create an NDPS Printer Object:

1. With your preferred Web browser, authenticate to the eDirectory iManager (Ask your Novell Administrator for accessing to the Netware Web Manager URL which is https://snsnw6:2200 in our example)
2. In the ‘iPrint Management/ Create Printer’ menu, give a name, a container where to put the printer, the manager name you previously created and a Gateway type: ‘Novell LPR gateway (LPR on IP)’, then click on ‘Next’:



https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User....

Address https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=rlqkPbh

User: admin.SNSNW6.OCE.ocenw6sns.

Create Printer

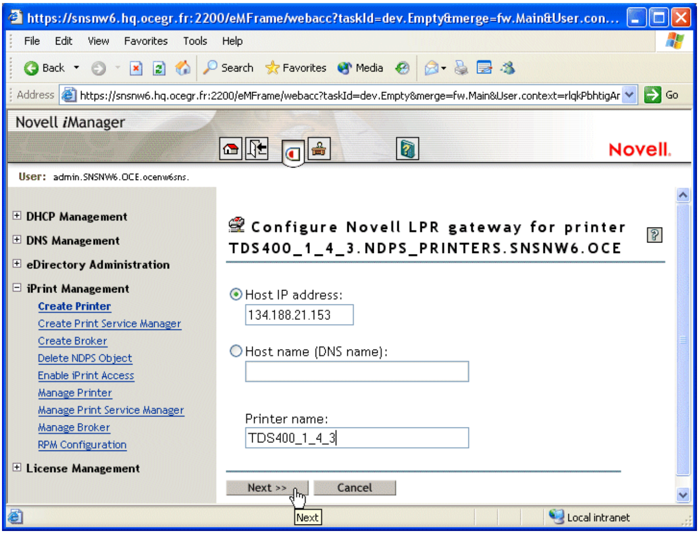
Printer name: TDS400_1_4_3

Container name: NDPS_PRINTERS.SNSNW6.OCE

Manager name: NDPS_MANAGER.NDPS_PRINTERS

Gateway type: Novell LPR gateway (LPR on IP)

3 Enter the IP address (preferred than hostname which requires DNS resolution on Novell Server) and the printer name:



https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.con...
File Edit View Favorites Tools Help
Back
Search
Favorites
Media
Address
https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=rlqkPbhtigAr
Go
Novell iManager
Novell.
User: admin.SNSNW6.OCE.ocenw6sns.
DHCP Management
DNS Management
eDirectory Administration
iPrint Management
Create Printer
Create Print Service Manager
Create Broker
Delete NDPS Object
Enable iPrint Access
Manage Printer
Manage Print Service Manager
Manage Broker
RPM Configuration
License Management
Next >>
Cancel
Next
Local intranet

Configure Novell LPR gateway for printer TDS400_1_4_3.NDPS_PRINTERS.SNSNW6.OCE

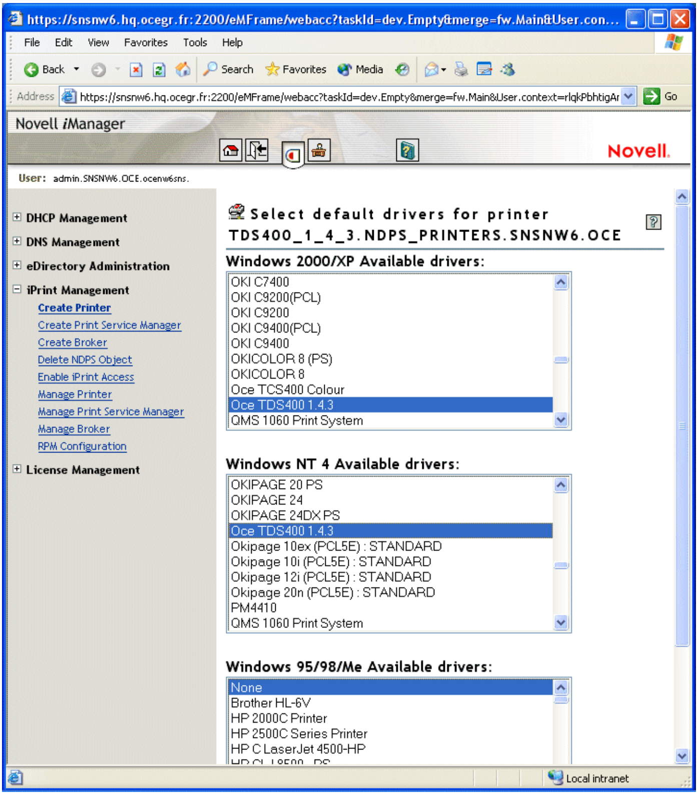
● Host IP address: 134.188.21.153

○ Host name (DNS name):

Printer name: TDS400_1_4_3

Note: *DO NOT include character '.' in Printer name to avoid troubles.*

4 You can then select the driver for each Operating System (you can also do it later with the ‘Manage Printer’ menu, after having added new drivers if required, with iPrint Management/ Manage Broker/ Resource Management Service):


https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.con...
File Edit View Favorites Tools Help
Back Search Favorites Media
Address https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=rlqkPbhtigAr Go
Novell iManager
Novell.
User: admin.SNSNW6.OCE.ocenw6sns.
DHCP Management
DNS Management
eDirectory Administration
iPrint Management
Create Printer
Create Print Service Manager
Create Broker
Delete NDPS Object
Enable iPrint Access
Manage Printer
Manage Print Service Manager
Manage Broker
RPM Configuration
License Management
Local intranet

Select default drivers for printer TDS400_1_4_3.NDPS_PRINTERS.SNSNW6.OCE

Windows 2000/XP Available drivers:

OKI C7400
OKI C9200(PCL)
OKI C9200
OKI C9400(PCL)
OKI C9400
OKICOLOR 8 (PS)
OKICOLOR 8
Oce TCS400 Colour
Oce TDS400 1.4.3
QMS 1060 Print System

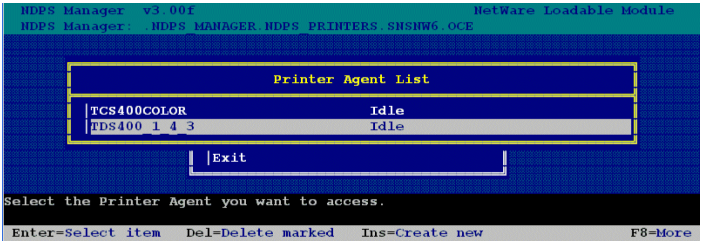
Windows NT 4 Available drivers:

OKIPAGE 20 PS
OKIPAGE 24
OKIPAGE 24DX PS
Oce TDS400 1.4.3
Okipage 10ex (PCL5E) : STANDARD
Okipage 10i (PCL5E) : STANDARD
Okipage 12i (PCL5E) : STANDARD
Okipage 20n (PCL5E) : STANDARD
PM4410
QMS 1060 Print System

Windows 95/98/Me Available drivers:

None
Brother HL-6V
HP 2000C Printer
HP 2500C Series Printer
HP C LaserJet 4500-HP

5 You can now check on Novell Server (with NDPS Manager console) whether the Printer is idle:



```
NDPS Manager  v3.00f                               NetWare Loadable Module
NDPS Manager: .NDPS_MANAGER.NDPS_PRINTERS.SNSNW6.OCE

                         Printer Agent List

       TCS400COLOR                        Idle
       TDS400_1_4_3                       Idle

                       Exit

Select the Printer Agent you want to access.

Enter=Select item   Del=Delete marked   Ins=Create new                F8=More
```

Note: *If status is “Needs attention” instead of “Idle”, check whether the controller is powered on and connected to the network.*

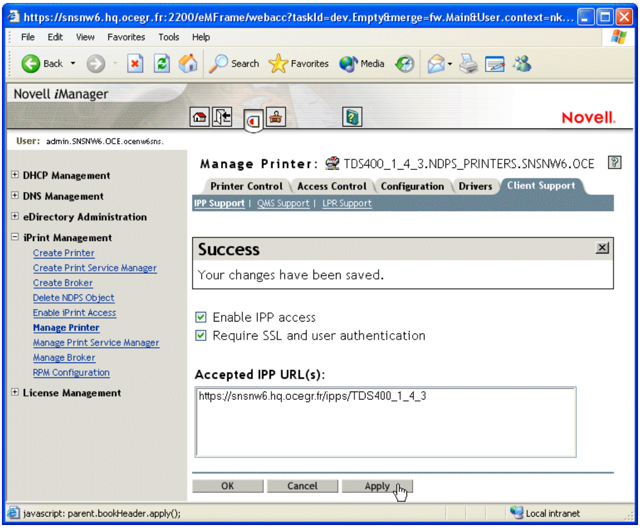
iPrint

Note: *You MUST enable iPrint support on your NDPS printer.*

~ Enable iPrint on Novell Server

1 With your preferred Web browser, authenticate to the eDirectory iManager (Ask your Novell Administrator for accessing to the Netware Web Manager URL which is https://snsnw6:2200 in our example)

2 In the ‘iPrint Management/ Manage Printer’ menu, select the relevant Printer, go to Client support TAB, and check the ‘Enable IPP access’ (you can also check the ‘Require SSL and user authentication’ for security reason), then Apply settings:


https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=nk...
File Edit View Favorites Tools Help
Back
Search
Favorites
Media
Novell iManager
Novell.
User: admin.SNSNW6.OCE.ocenw6sns.
DHCP Management
DNS Management
eDirectory Administration
iPrint Management
Create Printer
Create Print Service Manager
Create Broker
Delete NDPS Object
Enable iPrint Access
Manage Printer
Manage Print Service Manager
Manage Broker
RPM Configuration
License Management
Printer Control
Access Control
Configuration
Drivers
Client Support
IPP Support | QMS Support | LPR Support
OK
Cancel
Apply
javascript: parent.bookHeader.apply();
Local intranet

Manage Printer: TDS400_1_4_3.NDPS_PRINTERS.SNSNW6.OCE

Success

Your changes have been saved.

☑ Enable IPP access

☑ Require SSL and user authentication

Accepted IPP URL(s):

https://snsnw6.hq.ocegr.fr/ipps/TDS400_1_4_3

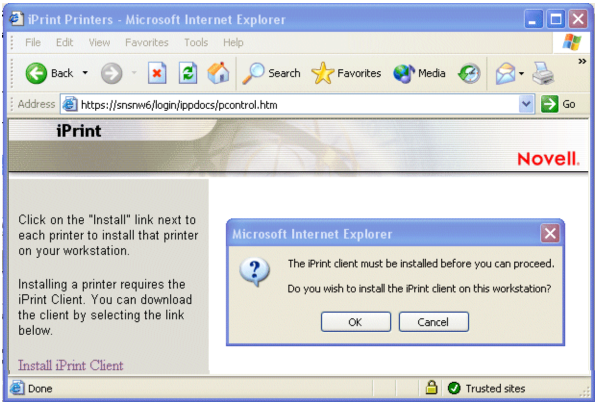
Note: *You can notice the URL web access for the printer: https://snsnw6.hq.ocegr.fr/ipps/TDS400_1_4_3*

Client Workstation setup

1 On your client workstation, open a Browser and point it to the following URL: https://[Novell Server Name]/ipps. (In our example the URL is https://snsnw6/ipps)

Note: *If authentication is needed, please ask to your Netware Administrator.*

2 The first time, you are prompted to install the iPrint Client software:



Address: https://snsnw6/login/ippdocs/pcontrol.htm

Click on the "Install" link next to each printer to install that printer on your workstation.

Installing a printer requires the iPrint Client. You can download the client by selecting the link below.

Install iPrint Client

The iPrint client must be installed before you can proceed.

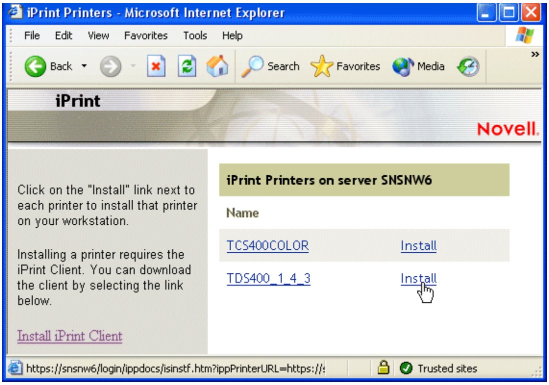
Do you wish to install the iPrint client on this workstation?

3 After iPrint has been installed (choose Open when file download window for nipp.exe appears) and after rebooting the client PC (as proposed at the end of iPrint installation), open a Browser again and point it to the following URL: https://[Novell Server Name]/ipps (in our example https://snsnw6/ipps).

Note: *You MUST have administrator privileges to install the iPrint Client software. If not, ask your local administrator. See also 'Other setup procedure without iPrint Client installation' section.*

4 You should be able to view the Printer installed during the Server Setup, click on ‘install’ to install the driver:

Note: *If authentication is needed, please ask to your Netware Administrator.*


iPrint Printers - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
iPrint
Novell.

Click on the "Install" link next to each printer to install that printer on your workstation.

Installing a printer requires the iPrint Client. You can download the client by selecting the link below.

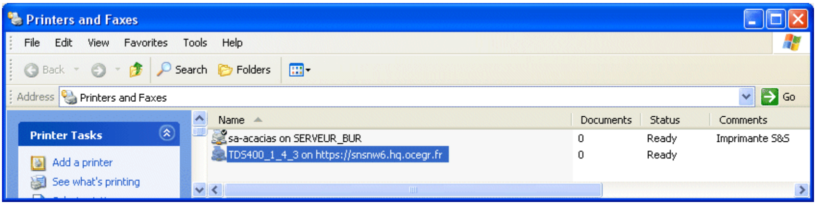
Install iPrint Client

iPrint Printers on server SNSNW6

Name	
TCS400COLOR	Install
TDS400_1_4_3	Install

https://snsnw6/login/ippdocs/isinstf.htm?ippPrinterURL=https://s

5 After confirming the Printer installation, the driver is automatically downloaded from the Novell Server to the Client Workstation according to the Client Workstation Operating System. You can check Printer has been installed by opening Printers in Windows Operating system, you can see:

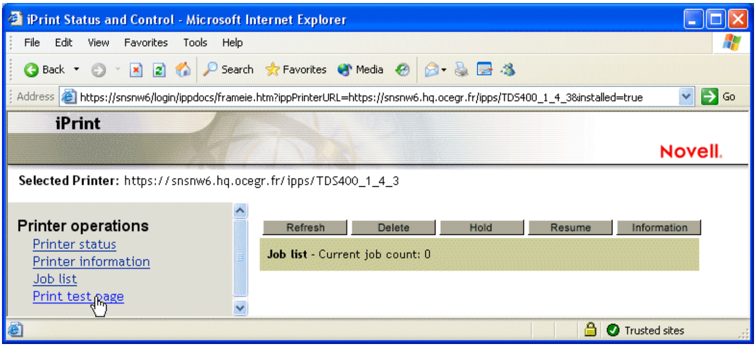


Name	Documents	Status	Comments
sa-acacias on SERVEUR_BUR	0	Ready	Imprimante S&S
TDS400_1_4_3 on https://snsnw6.hq.ocegr.fr	0	Ready	

You can now use this printer to print from any application.

6 After installation, you can print a Test Page by using your Browser: open your Browser again and point it to the following URL: https://[Novell Server Name]/ipps (https://snsnw6/ipps in our example).

7 Select the Printer TDS400_1_4_3, then click on ‘Print Test Page’:

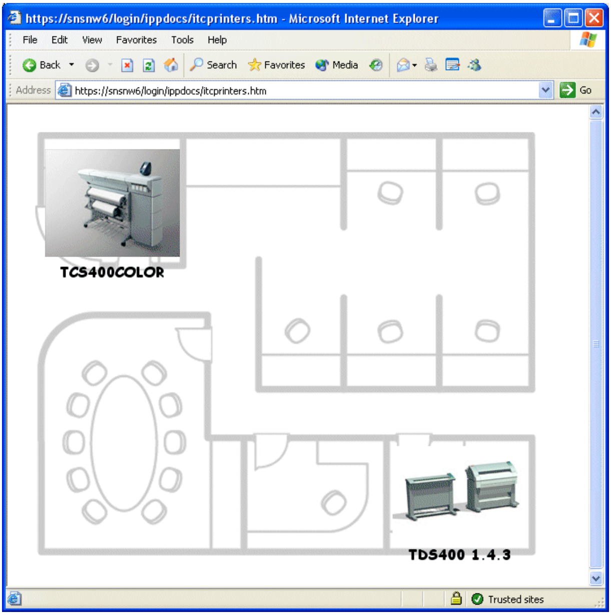


Address: https://snsnw6/login/ippdocs/frameie.htm?ippPrinterURL=https://snsnw6.hq.ocegr.fr/ipps/TDS400_1_4_3&installed=true

Selected Printer: https://snsnw6.hq.ocegr.fr/ipps/TDS400_1_4_3

Job list - Current job count: 0

8 Using the iPrint Map Designer tool, you can quickly create a map showing printer locations which is published on a Web, so users can install printers that are closest to their location. Here is an example of such a HTML page:


https://snsnw6/login/ippdocs/itcprinters.htm - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address
Go
TCS400COLOR
TDS400 1.4.3
Trusted sites

Address: https://snsnw6/login/ippdocs/itcprinters.htm

9 Clicking on one Printer allows you either to install the Printer driver or to consult the Printer status (Jobs, Test page, …) if the printer driver has already been installed.

Note: *Refer to Novell documentation for further information.*

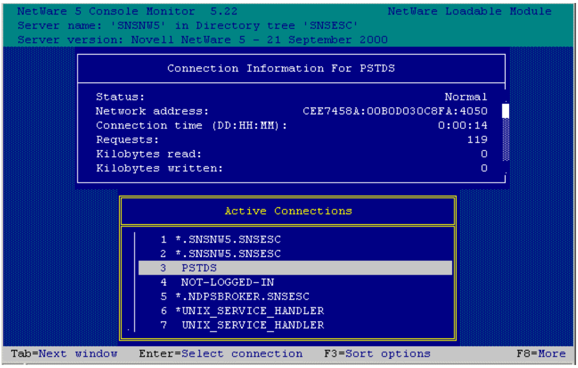
Troubleshooting

Queue Based Printing Troubleshooting

This section describes a list of troubleshooting items you can find during Queue Based Printing setup. It is aimed at the Local Network Administrator and/or End User.

No printing occurs.
If no printing occurs once all settings (Océ TDS/TCS + Novell Server + Client workstation) have been done:

- You can check the Print Server embedded in Océ TDS/TCS is correctly connected to the Novell Server by checking on the Novell Server itself: normally there is an active connection on print server (PSTDS) which must appear in the *Netware Console Monitor / Connection* available option with the status: NORMAL



```
NetWare 5 Console Monitor  5.22                   NetWare Loadable Module
Server name: 'SNSNW5' in Directory tree 'SNSESC'
Server version: Novell NetWare 5 - 21 September 2000

              Connection Information For PSTDS

   Status:                                               Normal
   Network address:                 CEE7458A:00B0D030C8FA:4050
   Connection time (DD:HH:MM):                          0:00:14
   Requests:                                                119
   Kilobytes read:                                            0
   Kilobytes written:                                         0

                      Active Connections

                  1 *.SNSNW5.SNSESC
                  2 *.SNSNW5.SNSESC
                  3  PSTDS
                  4  NOT-LOGGED-IN
                  5 *.NDPSBROKER.SNSESC
                  6 *UNIX_SERVICE_HANDLER
                  7  UNIX_SERVICE_HANDLER

Tab=Next window   Enter=Select connection   F3=Sort options       F8=More
```

- If the Print Server is not present in Netware Console connection status, reboot the Océ TDS/TCS
- If the Print Server is present in Netware Console connection status, but the status is AUTHENTICATED: Delete the Print Server connection on Novell Server, then Reboot the Océ TDS/TCS.

Printing occurs after a while.
Normally, the controller polls for job every XX seconds, XX is set in Océ TDS/TCS controller (Settings Editor) and the default value is 30 seconds, so printing may occur by default 30 seconds after having submitted the job.

Print Server Name problem.

It is not recommended to mix lower case and upper case characters when naming Print server, printer Queue and Printer. More generally, check you follow standard object naming conventions:

- '...Not all print server names will be valid...'
  Service Advertising Protocol (SAP) names. For example, SAP names may not exceed 47 characters, they cannot contain spaces, and they must be in all-caps. In addition, many double-byte characters used on certain code pages are not valid SAP characters.

Novell Capture not persistent with port LPTX.

When using Novell capture to redirect LPTX: port to Novell Queue, after rebooting Windows, the capture is not active again except when the check box 'Check to always capture this port when you start Windows' has been checked. In this case, rather put a 'capture' command line in the Novell login scripts (ask your Novell Administrator for that purpose).

My job name is LPT3 in Océ TDS/TCS Queue Manager.

Cause is that the driver port is LPT3, and LPT3 has been redirected to Novell Queue (capture). To avoid this problem, please do not use the capture but other alternatives for installing a driver in the relevant section.

I cannot see 'PSERVER' on Novell server Monitor connection section.

Check you have not exceeded the maximum number of authorized licenses (Use NLS for that purpose: ask your Novell Administrator).

NDS CONTEXT name problem.

Among the Océ TDS/TCS controller settings (Novell section), you can either use the *typeful* or *typeless* convention when entering the NDS context name:

- ***NDS context: 'SNS.OCE'***(typeless notation) OR
- ***NDS context: 'OU=SNS.O=OCE'***(typeful notation)

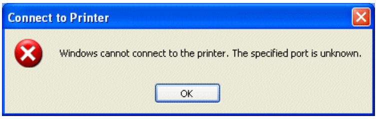
In the case of Country addition, it is highly recommended to use the typeful convention:

- NDS context: 'OU=SNS.O=OCE.C=FR'

*(*Do not use *NDS context: 'SNS.OCE.FR')*

‘Windows cannot connect to the printer’ when adding a printer driver under Windows XP.

If you encounter such a windows message when adding a Printer driver:


Connect to Printer

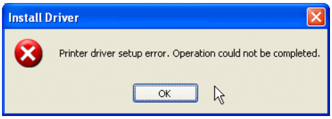
Windows cannot connect to the printer. The specified port is unknown.

Check:

- If the Print Server is not present in Netware Console connection status, reboot the Océ TDS/TCS
- If the Print Server is present in Netware Console connection status, but the status is AUTHENTICATED: Delete the Print Server connection on Novell Server, then Reboot the Océ TDS/TCS

‘Printer driver setup error’ under Windows XP.

When installing a driver under windows XP with ‘Add printer’ method, you may have the following error window just after the driver files are copied to the system folder:


Install Driver

Printer driver setup error. Operation could not be completed.

Check whether the driver officially supports Windows XP.

Note: *Get the latest version of the driver from the ‘Download, Drivers and Support’ section on http://www.oce.com.*

Others

Always check:

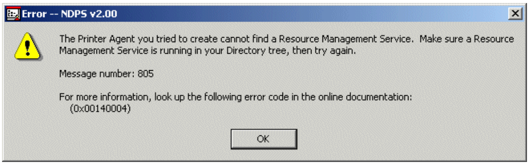
- you have the last Novell Support pack for your Novell Server
- you have the last Novell client for your Operating System
- you have the last patches for your Novell client.

Note: *Consult Novell site (www.novell.com).*

NDPS Troubleshooting

This section describes a list of troubleshooting items that can occur during NDPS setup. It is aimed at the Local Network Administrator and/or End User.

Creating the Printer Agent fails because of the following error:

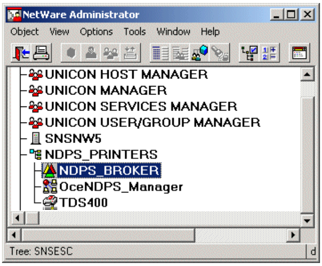


The Printer Agent you tried to create cannot find a Resource Management Service. Make sure a Resource Management Service is running in your Directory tree, then try again.

Message number: 805

For more information, look up the following error code in the online documentation:
(0x00140004)

This is probably due to the fact a Resource Management Service is not active: Search for a 3 interlaced triangles object with Netware Administrator console:



If not present, NO NDPS broker is installed, go to section ‘NDPS Broker setup’ on page 181.

If present, double click on it, and check the status in the identification section:

- If Status is ‘NDPS broker state down’, go to section ‘NDPS Broker setup’ on page 181.
- If Status is ‘NDPS broker state active’ go to NDPS Broker RMS setup on page 185.

Printing in NDPS is very slow with Novell gateway 'LPR' printing.

There is a known problem on Novell lpr client slow rate (~25 KB/s).
Ref. Novell 10057434: Printing to LPR-based printer using Novell Printer Gateway in LPR mode results in slow delivery of print data and slow print job processing times.
Download the Novell patch: NDPS-Post SP2/SP6 NDPS updates (Last modified: 17OCT2001). It contains (between other) fix for lpr client.
These updates are intended for any one of the following platforms:

- NetWare 5.1 with Support Pack 2 applied running NDPS 2.1.3.
- NetWare 5.0 with Support Pack 6 applied running NDPS 2.0.6.

NDPS broker setup: add resource problem: the browse button does not work.

This problem was noticed on Windows 2000 Operating system when browsing while adding a resource.

Note: *This problem may also occur on other Operating System.*

To solve this problem, you need to launch **nwadmn32.exe** with the following option (require command line). For instance:

```
Z:\ win32\nwadmn32.exe /DisableTLSMGR
```

You cannot see the NDPS printer while browsing with Network Neighbourhood.

This is a known issue only for Windows NT4/Windows 2000/Windows XP platforms which has an impact when trying to create a printer.

~ **Workaround:**

1. Create a Queue Object on Novell server.
2. Link it to a NDPS printer so that Win NT4/Win2000/Win XP can browse Queue objects.
3. You can then create a printer on Queue Object destination.

Note: *This method works fine on pure IP network while problems may occur whenever IPX and IP protocols are mixed.*

Can we use NDPS with Netware 4?

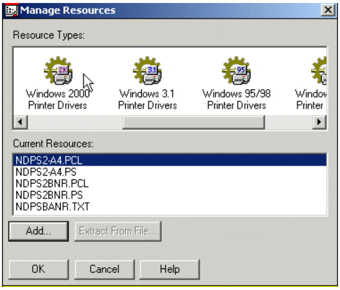
There is a NDPS package for Netware 4 which is obsolete so not advised. Recommendation is to upgrade to Netware 5.X in order to use NDPS.

Cannot see Windows XP when configuring NDPS broker.

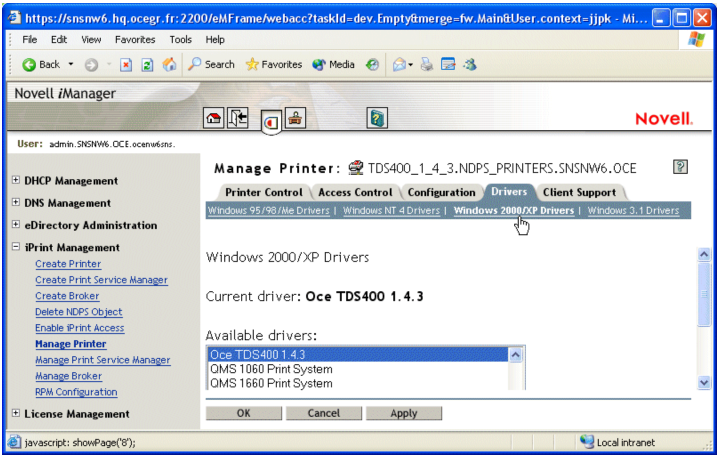
On Novell 5 version, the Windows XP repository on NDPS broker (manage resources) is not always represented (only Windows 3.1, Windows 95/98, Windows NT4, Windows 2000).

Workaround:

On an XP client workstation, you have to install the Windows 2000 driver.



The problem has been solved with Novell 6.x when administrating NDPS broker through Web interface (we can see Windows 2000/XP drivers combined).


https://snsnw6.hq.ocegr.fr:2200/eMFrame/webacc?taskId=dev.Empty&merge=fw.Main&User.context=jjpk - Mi...
File Edit View Favorites Tools Help
Back Search Favorites Media
Novell iManager
Novell.
User: admin.SNSNW6.OCE.ocenw6sns.
DHCP Management
DNS Management
eDirectory Administration
iPrint Management
Create Printer
Create Print Service Manager
Create Broker
Delete NDPS Object
Enable iPrint Access
Manage Printer
Manage Print Service Manager
Manage Broker
RPM Configuration
License Management
Printer Control
Access Control
Configuration
Drivers
Client Support
Windows 95/98/Me Drivers | Windows NT 4 Drivers | Windows 2000/XP Drivers | Windows 3.1 Drivers
OK
Cancel
Apply
javascript: showPage('8');
Local intranet

Manage Printer: TDS400_1_4_3.NDPS_PRINTERS.SNSNW6.OCE

Windows 2000/XP Drivers

Current driver: **Oce TDS400 1.4.3**

Available drivers:

Oce TDS400 1.4.3
QMS 1060 Print System
QMS 1660 Print System

Printer drivers are not automatically downloaded to the Windows 9X workstation.

When I import the driver for Windows 95/98 for a TCS machine in the Resource Management of Novell broker, everything seems OK. But when I select the related printer on my client workstation, I get the ‘Add printer wizard’ from windows instead of getting the driver automatically installed from the server.

Workaround:

Upgrade your Novell client to at least 3.32SP2 for Win 9X OS, (we recommend to get the latest Novell client).

Related Novell Reference: TID10076361:
http://support.novell.com/cgi-bin/search/searchtid.cgi?/10076361.htm

The Novell Client cannot upload WPD driver on NDPS broker

Some Novell Client versions are not able to upload drivers to the NDPS broker. This may be due to the driver files organization.

Workaround 1:
With Novell 6 SP2, use iManager (Web administration) instead of nwadmn32.exe to upload WPD driver for Win9X, NT4, Win2000/XP to the broker.

Workaround 2:
Whenever not possible to use iManager or whether your version of iManager still has the problem, check that the latest Support Pack or latest Hot fixes have been applied.

Workaround 3:
In case Workaround 1 or 2 are not working, check you have the latest Océ Driver version (the driver organization is flat, meaning that all the driver deliverables are on the same directory level as the .INF driver file).

Related Novell Reference: TID 10070612: Unable to add printer drivers to RMS database:
http://support.novell.com/cgi-bin/search/searchtid.cgi?/10070612.htm

A Novell Client cannot upload the Océ WRD3.2 driver for Windows 9X on NDPS broker.

Uploading WRD3.2 driver to NDPS broker for Windows 9X always fails whatever the method used, either with Web Administration (iManager) or nwadmn32.exe (Novell Client), despite applying the latest Novell Support Pack or latest hot fixes.

Explanation:
This is due to the signature reference included in the TDS.INF file provided with the WRD3.2 driver.

```
Signature="$Windows NT$"
```

Workaround:

In the TDS.INF, you must change the following string:

```
Signature="$Windows NT$"
```

by

```
Signature="$Windows 95$"
```

Related Novell Reference: TID2939931: NDPS Unable to add printer driver: http://support.novell.com/cgi-bin/search/searchtid.cgi?/2939931.htm

Others
Always check:
- you have the last Novell Support pack for your Novell Server
- you have the last Novell client for your Operating System
- you have the last patches for your Novell client.

Consult Novell site (www.novell.com).

Scan To File using SMB on Novell 6 Server

You can Scan To File from TDS400 to a Novell 6 Server using SMB protocol. This feature, not available on previous version, can be achieved on Novell 6 assuming the **Native File Access for Windows Package** has been installed on Novell 6 Server.

iPrint Troubleshooting

1801 error or Unexpected error when defining iPrint settings on Client workstation.
For proper operation with IPP printing, download the latest IPP client from the Novell web site.

Error 404 when attempting to install an iPrint printer on Client Workstation.
There is a port conflict on port 443 between iPrint and the Web Based products. Follow the instructions provided in the 2 following URLs:

http://support.novell.com/cgi-bin/search/searchtid.cgi?/10066950.htm
http://www.novell.com/coolsolutions/netware/features/a_apache_setup_nw.html

Failure when Configuring iPrint with Web services on a Client Workstation.

If you encounter problems when trying to configure iPrint/NDPS with iManager, install the latest Novell Support pack. If the problem persists, try to configure iPrint with Netware Administration console on your Client Workstation (Novell Client required).

Avoid special characters when creating a printer name.
When you create a printer using the Web Services (iPrint Management/ Create Printer), do not use special characters (like ‘.’).

Impossible to print with WPD driver installed via iPrint (error message ‘Cannot start print job’)

This may occur with some previous versions of WPD driver (WPD 1.8.2 or WPD 1.9). Check you the latest version of WPD is installed.

WPD driver installation via iPrint hangs up on a client workstation

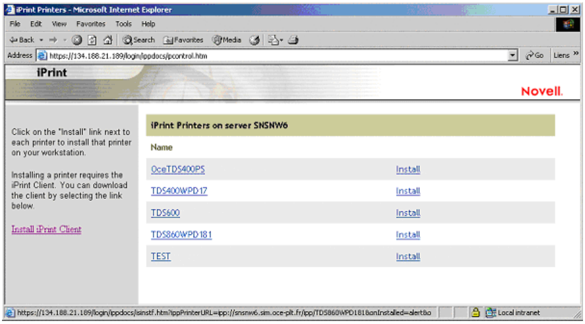
With Novell NDPS/iPrint, you can install a driver on a client workstation by browsing (with Internet Explorer) the drivers installed on a dedicated Novell Server.
In the list of printers available on the Novell Server, click on the printer to install. Automatically, an iPrint client is installed on the Client workstation, and the driver installation is launched.

If you encounter a hangup during the printer installation (iPrint client is looping forever), apply the following workaround:

~ Retrieve the printer path

1 Open an Internet Explorer window,

2 Enter the iPrint URL to display the available printers:


iPrint Printers - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address
Go Liens
iPrint
Novell.

https://134.188.21.189/login/ippdocs/pcontrol.htm

Click on the "Install" link next to each printer to install that printer on your workstation.

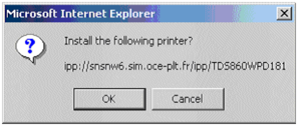
Installing a printer requires the iPrint Client. You can download the client by selecting the link below.

Install iPrint Client

iPrint Printers on server SNSNW6	
Name	
OceTDS400PS	Install
TDS400WPD17	Install
TDS600	Install
TDS860WPD181	Install
TEST	Install

https://134.188.21.189/login/ippdocs/isinstf.htm?ippPrinterURL=ipp://snsnw6.sim.oce-plt.fr/ipp/TDS860WPD181&onInstalled=alertBo

3 Click on the ‘Install’ link attached to the printer you want to install. It opens the following window:



Install the following printer?

ipp://snsnw6.sim.oce-plt.fr/ipp/TDS860WPD181

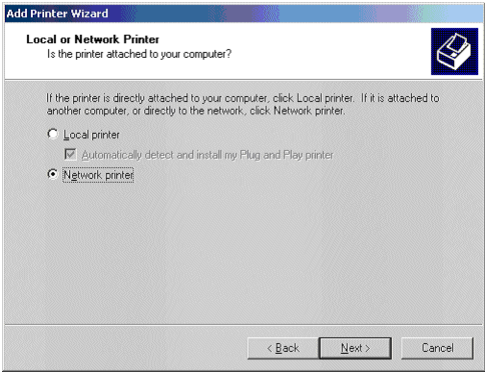
4 Note and keep the complete printer path: ‘ipp://snsnw6.sim.oce-plt.fr/ipp/TDS860WPD181’ in our example,

5 Click ‘Cancel’ to avoid installation.

6 Follow the procedure to install the printer via the ‘Add Printer Wizard’

~ Install the printer using the Add Printer Wizard

1. Open the Add printer wizard (from ‘Start’ / ‘Settings’ / ‘Printers and faxes’, ‘Add a printer’ task),
2. Select a ‘Network printer’:



Add Printer Wizard

Local or Network Printer

Is the printer attached to your computer?

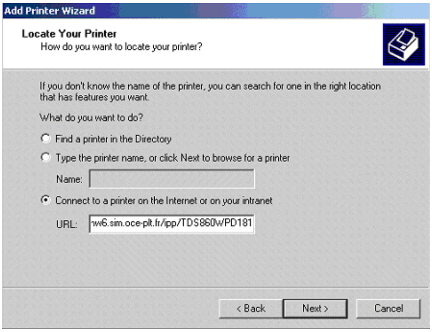
If the printer is directly attached to your computer, click Local printer. If it is attached to another computer, or directly to the network, click Network printer.

○ Local printer

☑ Automatically detect and install my Plug and Play printer

● Network printer

3. Click ‘Next’ and select ‘Connect to a printer on the Internet or on your intranet’,
4. Enter (as URL) the name you previously noted (in step 4. In our example : ipp://snsnw6.sim.oce-plt.fr/ipp/TDS860WPD181)



Add Printer Wizard

Locate Your Printer

How do you want to locate your printer?

If you don't know the name of the printer, you can search for one in the right location that has features you want.

What do you want to do?

○ Find a printer in the Directory

○ Type the printer name, or click Next to browse for a printer

Name:

● Connect to a printer on the Internet or on your intranet

URL: w6.sim.oce-plt.fr/ipp/TDS860WPD181

5. Click ‘Next’ and finish the installation.
   The installation is successfully completed (without any iPrint client window).

Chapter 5
Macintosh Environment

This chapter describes how to setup the Océ controller to make it work in a Macintosh environment.

Introduction

To connect a Macintosh® computer to an Océ TDS/TCS printer, you must use the TCP/IP protocol in a peer to peer configuration.

The TCP/IP protocol:
- is active by default on the Mac OS® X,
- needs to be activated on Mac OS® 8 and 9.

Refer to your Macintosh® User Guide to check or activate the TCP/IP protocol.

Controller configuration

To use the Océ systems from a Macintosh environment, you need to apply the same rules on the system controller as for the Windows environment.

- Enable TCP/IP protocol, see ‘Enable TCP/IP Protocol on the network adapter’ on page 22.
- Enable DHCP Server if needed, see ‘Enable DHCP’ on page 23.
- Configure TCP/IP general Parameters (IP Addr, Mask, Gateway…), see ‘Configure TCP/IP parameters (IP address, Subnet mask)’ on page 24.
- Configure DNS Server and relevant parameters if needed, see ‘Configure DNS parameters (Primary DNS suffix, DNS Server address)’ on page 27.
- Enable LPR protocol, see ‘Configure the Océ TCS300 settings for integration in a network’ on page 30.
- Enable FTP protocol, see ‘Enable FTP protocol’ on page 37.

Print from a Macintosh workstation

Print using an Adobe PostScript 3® driver

Refer to the Océ PS3 Installation Guide.

Print via FTP

You can use FTP to transfer job prints from Mac OS X only.

~ **Print via FTP on Mac OS X**

1 From the Finder, open ‘Applications/Utilities/Terminal’ to access the UNIX terminal window.

2 Enter the ‘ftp’ command. You get the ‘ftp>’ prompt.

3 Enter the 'open' command followed by either:
- the registered name of the remote host (‘open hostname’).
- the IP address (e.g. 'open 134.188.21.155').

4 Press ‘Enter’ to connect to the remote FTP server.
The connection with the FTP server is now established and a prompt appears asking for a user name.

Note: *Instead of performing steps 2 and 3 you may also enter ‘ftp hostname’ in the FTP client.*

5 Enter a user name (e.g. 'anonymous'), and press ‘Enter’ when prompted for the password.
A connection is now set up for the user 'anonymous'.

6 Enter 'binary' to set the transmission mode to binary.

7 Use the command: 'cd jobs' to open the jobs directory.

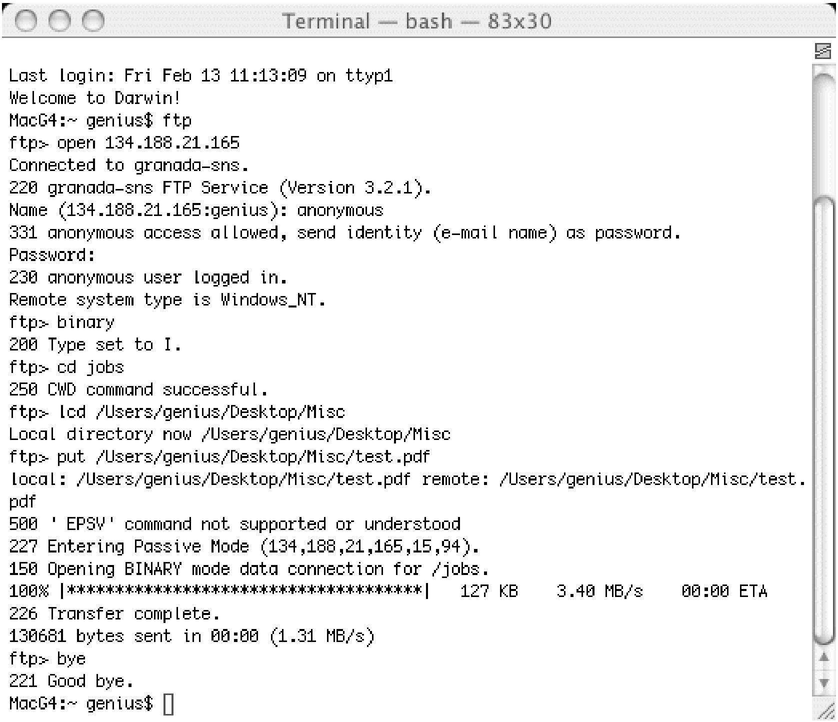
8 Go to the local directory in which the data you want to print are stored (for example a MISC folder) by using the following command:

```
'lcd [here you drag and drop the icon of your MISC folder]
```

9 Send the data file (for example: test.pdf) via either:
- the 'put' command and the file name (e.g. 'put test.pdf').
- the 'put' command and you drag and drop the icon of your 'test.pdf' file (e.g. 'put [icon of your 'test.pdf' file]')

Note: *The data is now sent to the input spool directory of the controller, processed and printed.*

10 Quit FTP by entering the 'bye' command.



```
Last login: Fri Feb 13 11:13:09 on ttyp1
Welcome to Darwin!
MacG4:~ genius$ ftp
ftp> open 134.188.21.165
Connected to granada-sns.
220 granada-sns FTP Service (Version 3.2.1).
Name (134.188.21.165:genius): anonymous
331 anonymous access allowed, send identity (e-mail name) as password.
Password:
230 anonymous user logged in.
Remote system type is Windows_NT.
ftp> binary
200 Type set to I.
ftp> cd jobs
250 CWD command successful.
ftp> lcd /Users/genius/Desktop/Misc
Local directory now /Users/genius/Desktop/Misc
ftp> put /Users/genius/Desktop/Misc/test.pdf
local: /Users/genius/Desktop/Misc/test.pdf remote: /Users/genius/Desktop/Misc/test.
pdf
500 ' EPSV' command not supported or understood
227 Entering Passive Mode (134,188,21,165,15,94).
150 Opening BINARY mode data connection for /jobs.
100% |*************************************|   127 KB    3.40 MB/s    00:00 ETA
226 Transfer complete.
130681 bytes sent in 00:00 (1.31 MB/s)
ftp> bye
221 Good bye.
MacG4:~ genius$ []
```

[9] Example of FTP printing process

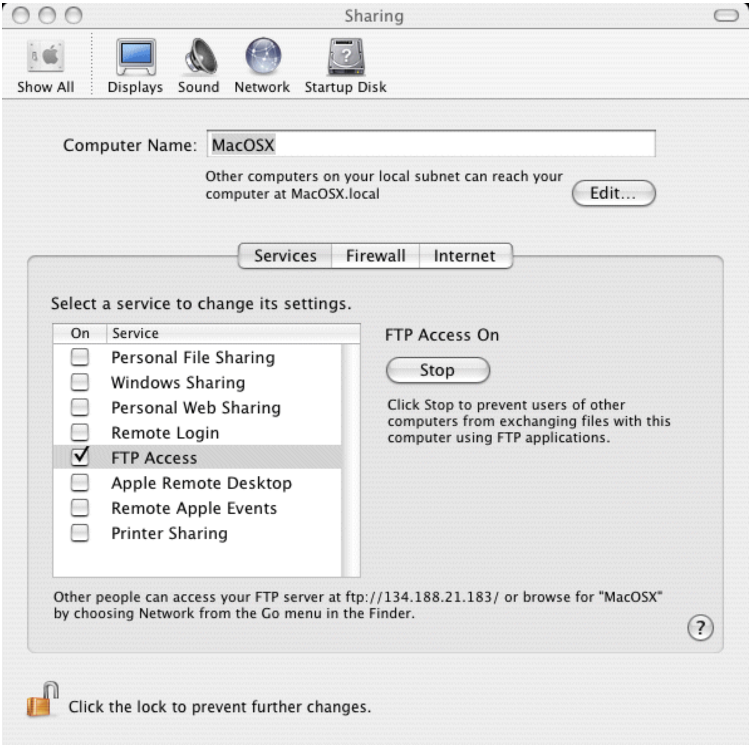
Scan to file to a MacOS X computer (using FTP)

You can scan a file and send it to a MacOS X workstation.

First of all, activate the FTP access to enable the FTP server on the Macintosh computer, then configure the FTP destination in the Scan Manager of the Océ TDS / TCS controller.

Activate the Macintosh FTP access

To use the Macintosh computer as a FTP server, make sure that the ‘FTP Access’ is activated on the 'System Preferences / Sharing / Services' window.



Computer Name: MacOSX

Other computers on your local subnet can reach your computer at MacOSX.local

Select a service to change its settings.

On	Service
☐	Personal File Sharing
☐	Windows Sharing
☐	Personal Web Sharing
☐	Remote Login
☑	FTP Access
☐	Apple Remote Desktop
☐	Remote Apple Events
☐	Printer Sharing

FTP Access On

Click Stop to prevent users of other computers from exchanging files with this computer using FTP applications.

Other people can access your FTP server at ftp://134.188.21.183/ or browse for "MacOSX" by choosing Network from the Go menu in the Finder.

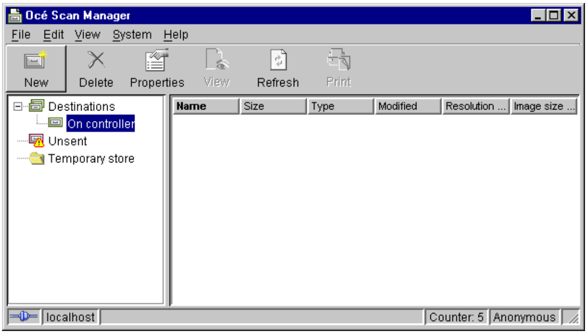
Click the lock to prevent further changes.

While FTP access is allowed, you can access the Macintosh files and folders using a web browser or a FTP client software.

Configure the FTP destination in the Scan Manager

1 Select ‘Destinations’ in the tree view of the Scan Manager.

2 Click on the 'New' button of the toolbar.



3 The 'Destination properties' dialogue box appears.

4 In the 'Name' text box enter a relevant name for the destination. This name also appears on the scanner panel.

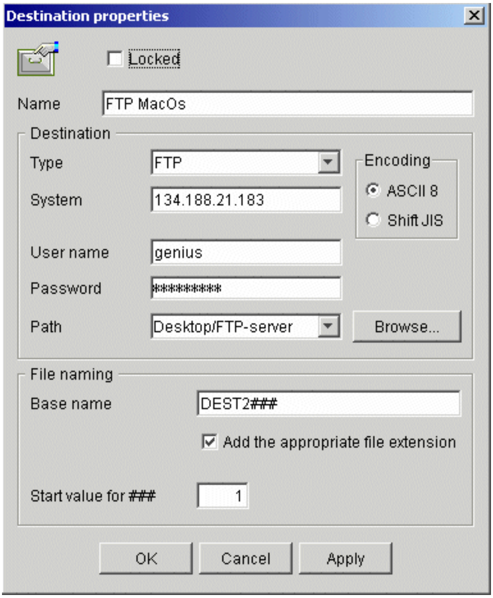
5 From the 'Type' drop-down list box choose destination type 'FTP'.

6 In the 'System' text box enter the IP address of the Macintosh computer (FTP server).

7 In the 'User name' text box enter the user account name authorized on the Macintosh computer.

8 In the 'Password' text box enter the password of the user account authorized on the Macintosh computer.

9 Browse to find the destination folder.



Destination properties

☐ Locked

Name: FTP MacOs

Destination

Type: FTP

System: 134.188.21.183

User name: genius

Password: *********

Path: Desktop/FTP-server

Encoding: ● ASCII 8 ○ Shift JIS

File naming

Base name: DEST2###

☑ Add the appropriate file extension

Start value for ###: 1

10 Click 'OK'.

The new created destination is now available on the scanner panel. You can select it to send the scanned file to the folder defined on the Macintosh workstation.

Note: *User account name and passwords are not encrypted when sent to the FTP server. This can compromise the local network security.*
If authenticated access is required use local account on the destination computer rather than domain user account.

Chapter 6
Linux Environment

This chapter describes how to setup the environment (workstation, print server) to make it work using a Linux system in:

- a Peer to peer configuration (Linux workstation to Océ Printer system)

- a Client / Server configuration (Linux/Linux, Windows/Linux or Linux/Windows)

Attention:

This chapter proposes guidelines how to configure a Linux print environment for Océ equipment. For more details or support on these environments please refer to their proper documentation and suppliers.

Introduction

To connect a Linux computer to an Océ TDS/TCS printer, you must use the TCP/IP protocol in a peer to peer configuration.

The procedures below are compatible with Red Hat, Fedora, SUSE and DEBIAN.

Refer to your system User Guide to check or activate the TCP/IP protocol.

Controller configuration

To use the Océ systems from a Linux environment, you need to apply the same rules on the system controller as for the Windows environment.

- Enable TCP/IP protocol, see 'Enable TCP/IP Protocol on the network adapter' on page 22.
- Enable DHCP Server if needed, see 'Enable DHCP' on page 23.
- Configure TCP/IP general Parameters (IP Addr, Mask, Gateway…), see 'Configure TCP/IP parameters (IP address, Subnet mask)' on page 24.
- Configure DNS Server and relevant parameters if needed, see 'Configure DNS parameters (Primary DNS suffix, DNS Server address)' on page 27.
- Enable LPR protocol, see 'Configure the Océ TCS300 settings for integration in a network' on page 30.
- Enable FTP protocol, see 'Enable FTP protocol' on page 37.

Linux Server Configuration

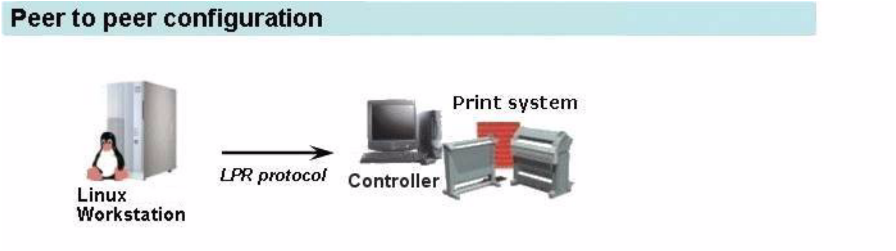
- Open the TCP 631 port on the Linux server to print using the HTTP protocol.
- Open the UDP 137, UDP 138 and TCP 139 ports on the Linux server to use Samba, in a Point and Print configuration.
- Disable the Security settings.

Possible printing configurations using Linux environment

Find below guidelines about the needed configurations and processes to print:

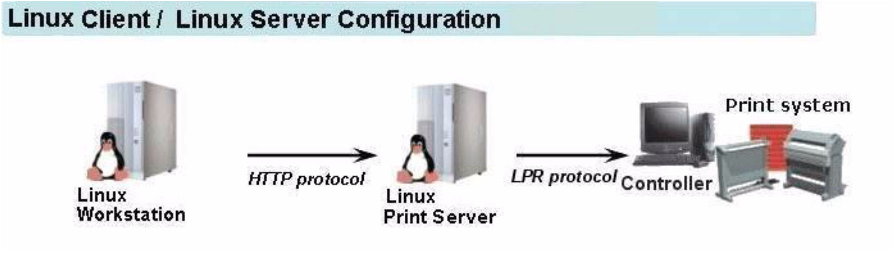
Without print server

Print from a Linux client workstation

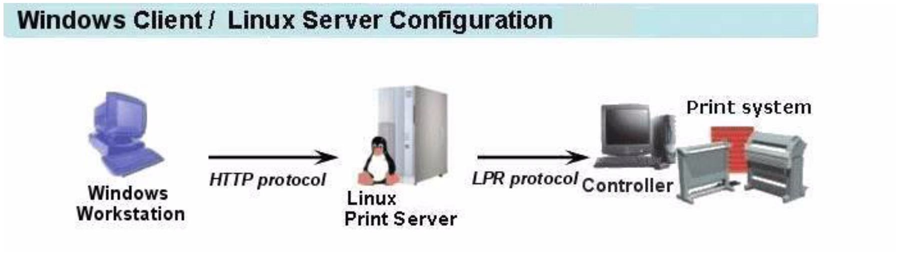


Using a Linux print server

- Print from a Linux client workstation

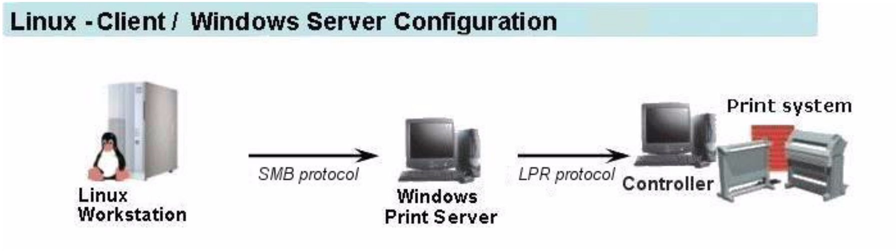


- Print from a Windows client workstation



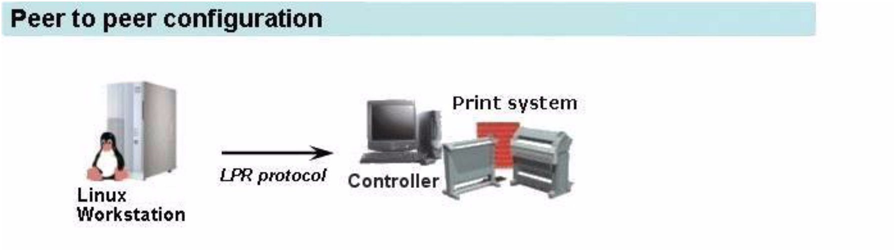
Using a Windows print server

Print from a Linux client workstation



Print from a Linux station (Peer to peer configuration)

You can print directly on the Océ system using the LPR protocol and PostScript Driver.



It is highly recommended to use 'KDE printer manager' to install and configure the Common UNIX Print System (CUPS) using a graphical interface.

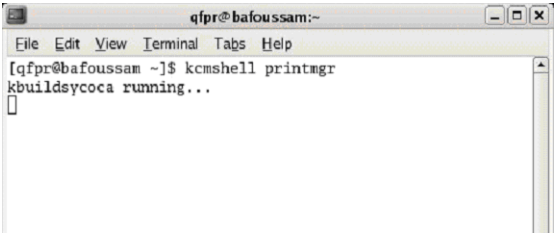
Install K Desktop Environment (KDE) Printer Manager on the Linux station

1. Open the ‘Desktop’ / ‘System Settings’ / ‘Add/Remove Applications’,
2. On the ‘Desktops’, select ‘KDE’,
3. Open the ‘Details’,
4. Install the ‘Standard’ packages.

Install a printer on Linux, using KDE

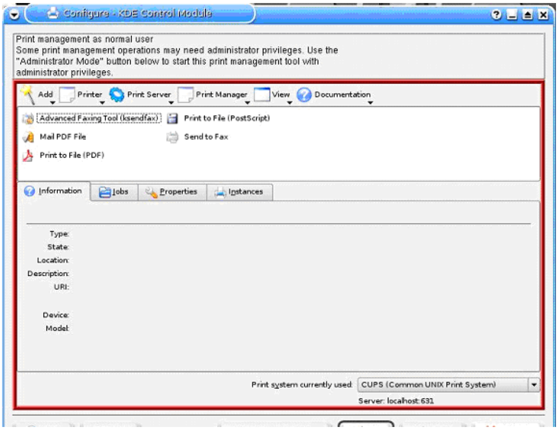
~ **Activate KDE Printer Manager**

1 Activate KDE Printer Manager using the following command line:



```
[qfpr@bafoussam ~]$ kcmshell printmgr
kbuildsycoca running...
```

2 In the ‘KDE Control Module’ window, click on ‘Add’ / ‘Add printer’:

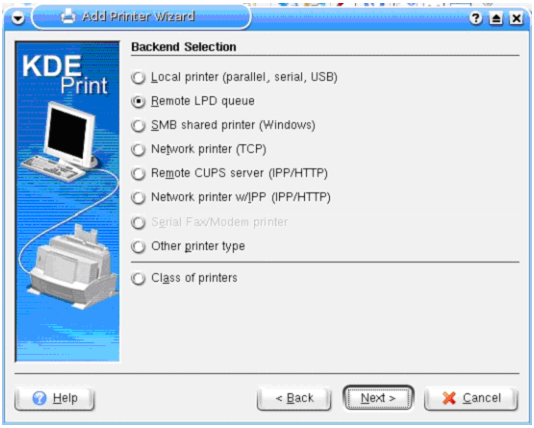


Print management as normal user
Some print management operations may need administrator privileges. Use the "Administrator Mode" button below to start this print management tool with administrator privileges.

Print system currently used: CUPS (Common UNIX Print System)
Server: localhost:631

3 In the ‘Introduction window’ of the ‘Add Printer Wizard’, click ‘Next’,

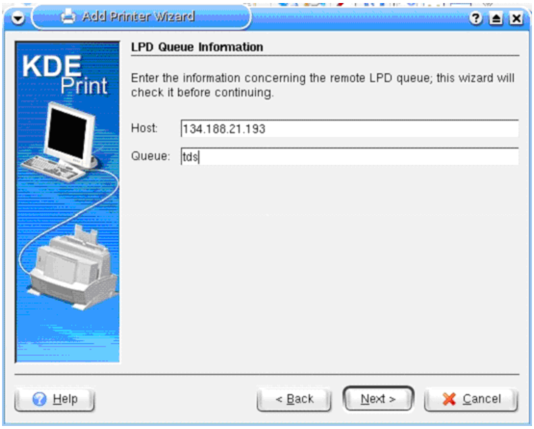
4 Select a ‘Remote LPD queue’ and click ‘Next’:



Backend Selection

○ Local printer (parallel, serial, USB)
● Remote LPD queue
○ SMB shared printer (Windows)
○ Network printer (TCP)
○ Remote CUPS server (IPP/HTTP)
○ Network printer w/IPP (IPP/HTTP)
○ Serial Fax/Modem printer
○ Other printer type
○ Class of printers

5 Define the LPD Queue information by entering the Host and Queue names, and click ‘Next’:

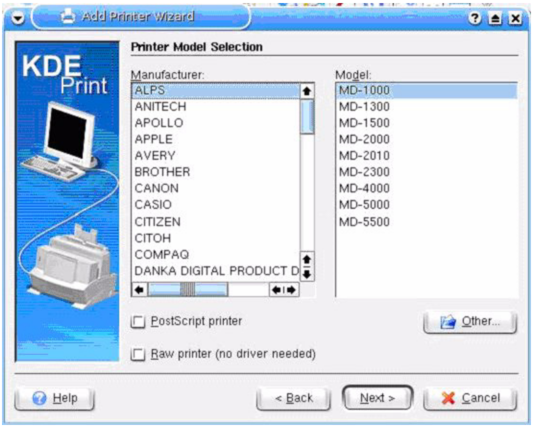


LPD Queue Information

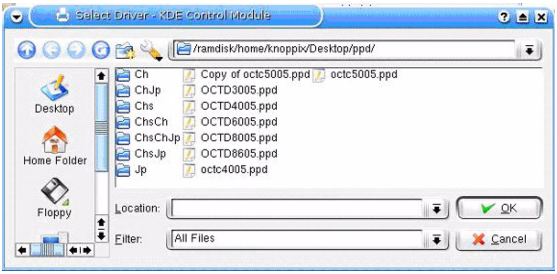
Enter the information concerning the remote LPD queue; this wizard will check it before continuing.

Host: 134.188.21.193
Queue: tds

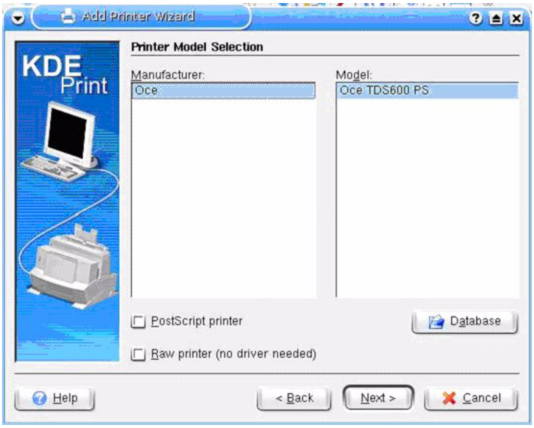
6 Select your printer driver by clicking on ‘Other...’:



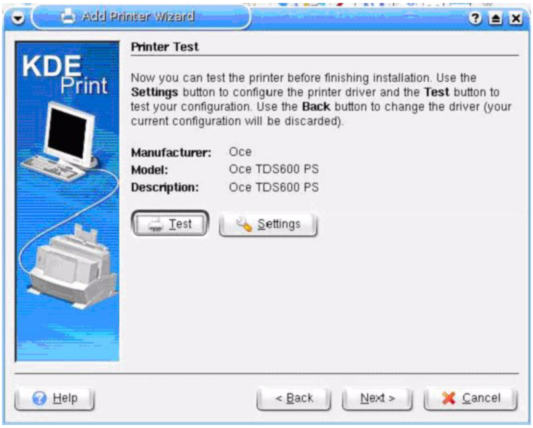
7 Select the specific printer ppd and click ‘OK’:



8 Once the ppd file installed, click ‘Next’:



9 You can print a test page (‘Test’) and define the driver settings (‘Settings’):

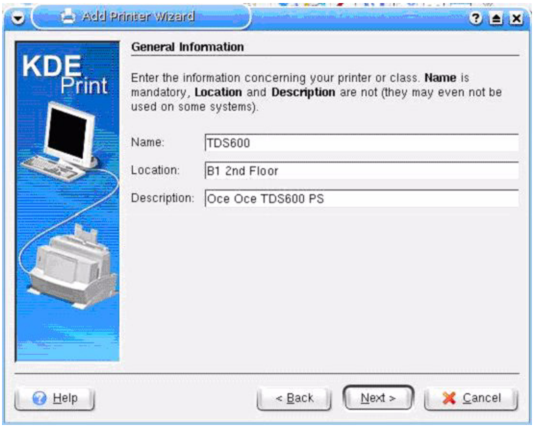


Printer Test

Now you can test the printer before finishing installation. Use the **Settings** button to configure the printer driver and the **Test** button to test your configuration. Use the **Back** button to change the driver (your current configuration will be discarded).

Manufacturer: Oce
Model: Oce TDS600 PS
Description: Oce TDS600 PS

10 Set up the printer General Information:



General Information

Enter the information concerning your printer or class. **Name** is mandatory, **Location** and **Description** are not (they may even not be used on some systems).

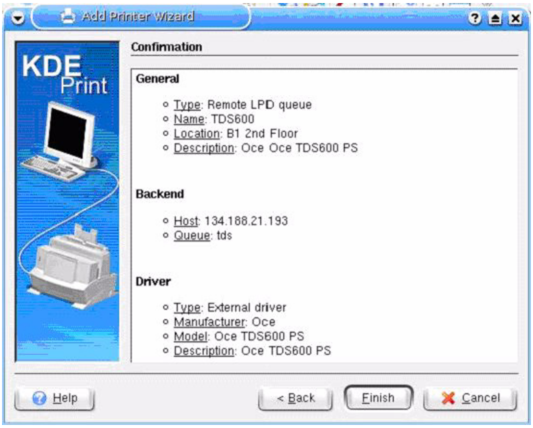
Name: TDS600
Location: B1 2nd Floor
Description: Oce Oce TDS600 PS

11 You can define banners to be added to each printout (Starting / Ending banners). Click 'Next'.

12 Define quota to be applied to this printer, per user (if needed): Period, Size limit, Page limit. Click 'Next'.

13 Define the allowed users for this printer (Allowed / Denied user). Click 'Next'.

14 Check the general information about the printer:



Confirmation

General

- Type: Remote LPD queue
- Name: TDS600
- Location: B1 2nd Floor
- Description: Oce Oce TDS600 PS

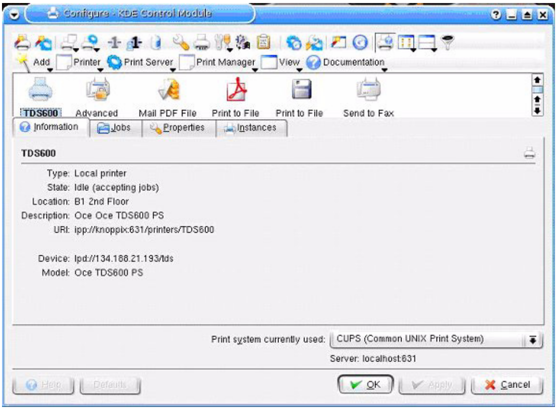
Backend

- Host: 134.188.21.193
- Queue: tds

Driver

- Type: External driver
- Manufacturer: Oce
- Model: Oce TDS600 PS
- Description: Oce TDS600 PS

15 To complete the installation, confirm the information by clicking on ‘Finish’. The printer is installed:



TDS600

Type: Local printer
State: Idle (accepting jobs)
Location: B1 2nd Floor
Description: Oce Oce TDS600 PS
URI: ipp://knoppix:631/printers/TDS600

Device: lpd://134.188.21.193/tds
Model: Oce TDS600 PS

Print system currently used: CUPS (Common UNIX Print System)
Server: localhost:631

Print from the station

You can use this new installed printer to send print files from the Linux station to the Océ printing system (Peer to peer configuration).

Print using a Linux print server

In a Client / Server configuration, you can print using a Linux server from either a Linux or a Windows client workstation.
In both cases you have first to setup the Linux print server. Once the print server is ready, you can connect and configure the Linux or Windows client.

Setup Linux print server

It is highly recommended to:

1. Install ‘KDE printer manager’ to install and configure the Common UNIX Print System (CUPS) using a graphical interface.
2. Configure the Linux print server firewall to allow access for remote clients.
3. Add a printer on the server.
4. Configure the print server to allow printing from a remote client.

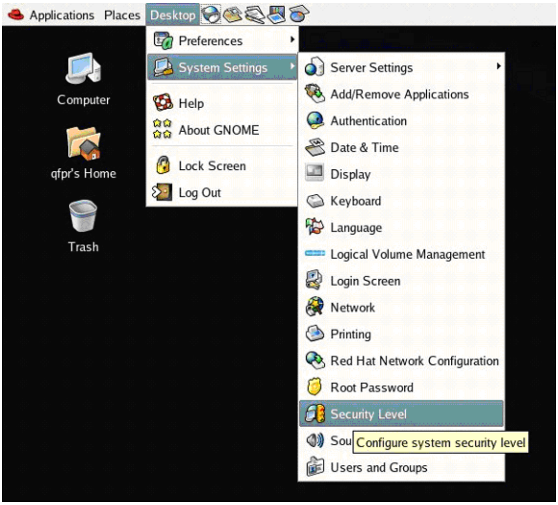
Important: *Administrator rights on the Linux print server are required to install the Océ printer and perform the server configuration.*

Install K Desktop Environment (KDE) Printer Manager on the Linux print server

1. Open the 'Desktop' / 'System Settings' / 'Add/Remove Applications',
2. On the 'Desktops', select 'KDE',
3. Open the 'Details',
4. Install the 'Standard' packages.

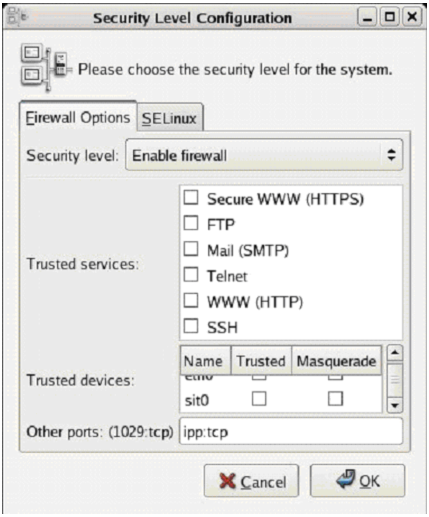
Configure the Linux print server firewall to allow client remote access

1 Open the ‘Desktop’ / ‘System Settings’ / ‘Security Level’,



2 In the ‘Security Level Configuration’ window, select the ‘Firewall Options’ tab,

3 Enter ‘631:tcp’ (or ‘ipp:tcp’) in the ‘Other ports’ field to open the TCP 631 port.



Please choose the security level for the system.

Security level: Enable firewall

Trusted services:
- ☐ Secure WWW (HTTPS)
- ☐ FTP
- ☐ Mail (SMTP)
- ☐ Telnet
- ☐ WWW (HTTP)
- ☐ SSH

Trusted devices:

Name	Trusted	Masquerade
eth0	☐	☐
sit0	☐	☐

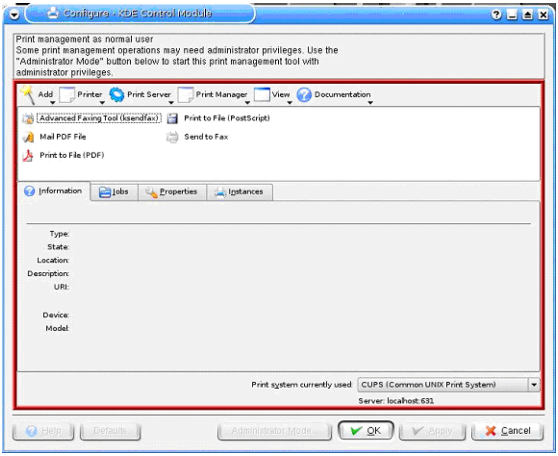
Other ports: (1029:tcp) ipp:tcp

Add a new printer on the Linux print server (CUPS)

Follow the procedure described in ‘Install a printer on Linux, using KDE’ on page 237.

Configure the Linux print server (CUPS) for a remote client

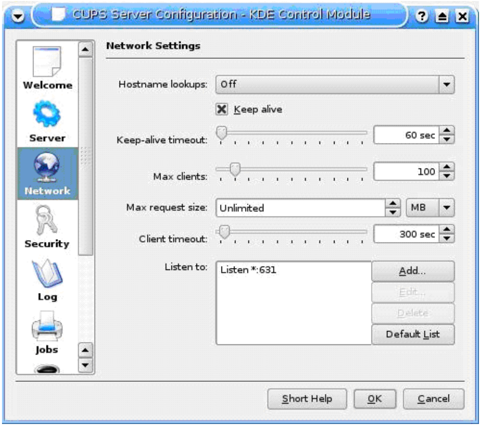
1 In the ‘KDE Control Module’ window, click on ‘Print Server’:



Print management as normal user
Some print management operations may need administrator privileges. Use the "Administrator Mode" button below to start this print management tool with administrator privileges.

Print system currently used: CUPS (Common UNIX Print System)
Server: localhost:631

2 On the left menu of the ‘CUPS Server Configuration Tool’, select ‘Network’ to open the ‘Network Settings’ window:



Network Settings

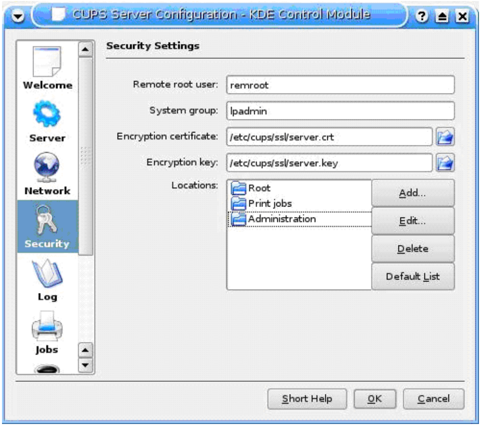
Hostname lookups: Off
☒ Keep alive
Keep-alive timeout: 60 sec
Max clients: 100
Max request size: Unlimited MB
Client timeout: 300 sec
Listen to: Listen *:631

3 Delete the existing port from the ‘Listen to’ field,

4 Click the ‘Add...’ button to listen to a new port,

5 Select ‘Listen’ to a specific IP address, and enter ‘*631’.

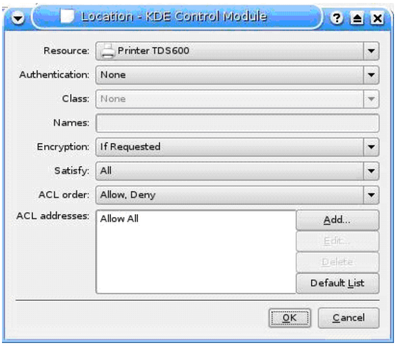
6 On the left menu, select ‘Security’ to open the ‘Security Settings’ window:



Remote root user: remroot
System group: lpadmin
Encryption certificate: /etc/cups/ssl/server.crt
Encryption key: /etc/cups/ssl/server.key
Locations: Root, Print jobs, Administration

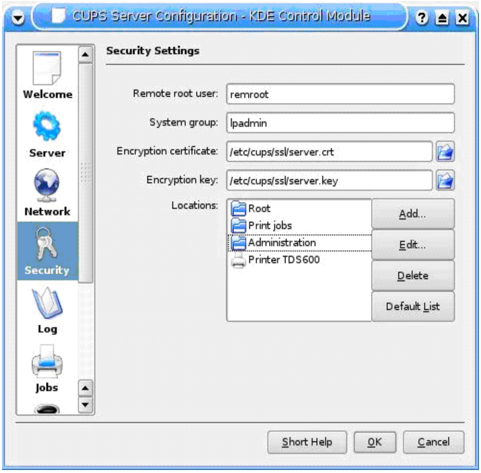
7 To add the new created printer to the ‘Locations’ list, click the ‘Add...’ button.

8 Select the printer in the ‘Resource’ list,



Resource: Printer TDS600
Authentication: None
Class: None
Names:
Encryption: If Requested
Satisfy: All
ACL order: Allow, Deny
ACL addresses: Allow All

9 Click ‘Add...’ to allow printing access to the users and click ‘OK’ to validate.



Security Settings

Remote root user: remroot

System group: lpadmin

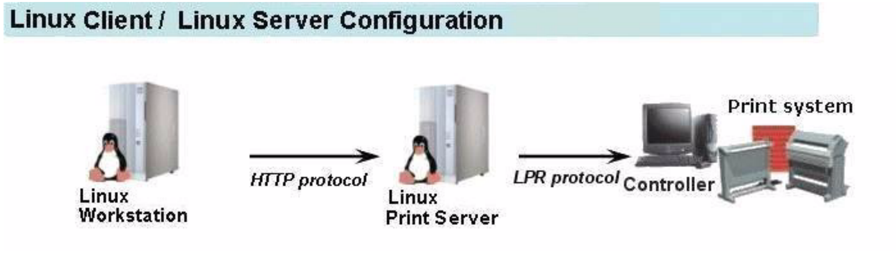
Encryption certificate: /etc/cups/ssl/server.crt

Encryption key: /etc/cups/ssl/server.key

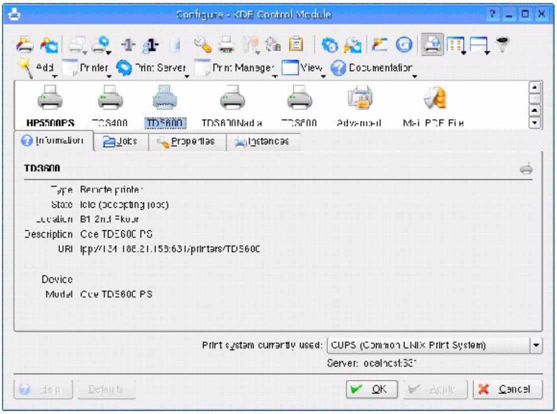
Locations:
- Root
- Print jobs
- Administration
- Printer TDS600

10 Click ‘OK’ to close the ‘CUPS Server Configuration’ window.

Print from a Linux client workstation



1 Launch ‘CUPS’ locally, it automatically gets all the printers defined and shared on the CUPS print servers.



TD3600

Type Remote printer
State Idle (accepting jobs)
Location B1 2nd Floor
Description Oce TD3600 PS
URI ipp://134.188.21.153:631/printers/TD3600

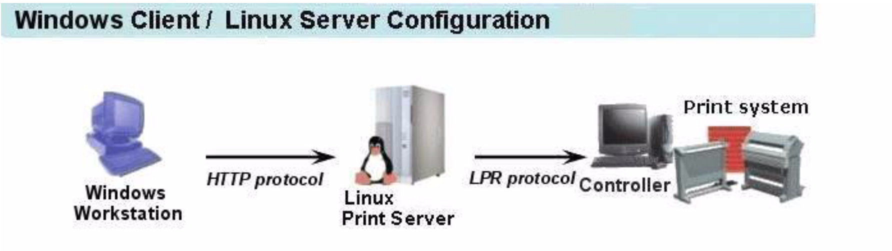
Device
Model Oce TD3600 PS

Print system currently used: CUPS (Common UNIX Print System)
Server: localhost:631

2 Select the printer in the list when sending the print file.

3 You can print.

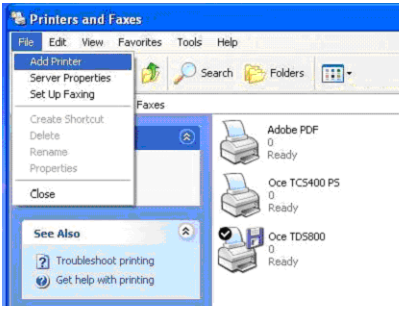
Print from a Windows client workstation



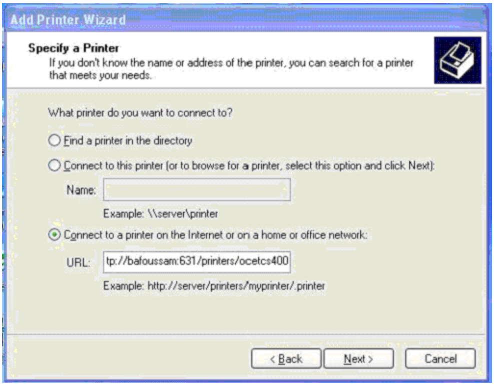
1 Install the printer on the Windows client.

2 Open the ‘Start’ / ‘Settings’ / ‘Printers and faxes’ window,

3 Click on ‘File’ / ‘Add Printer’:



4 In the ‘Add Printer Wizard’, specify the printer. Connect to the network printer using the URL ‘http://[servername]:631/printers/[printer name]’



Specify a Printer

If you don't know the name or address of the printer, you can search for a printer that meets your needs.

What printer do you want to connect to?

○ Find a printer in the directory

○ Connect to this printer (or to browse for a printer, select this option and click Next):

Name:

Example: \\server\printer

● Connect to a printer on the Internet or on a home or office network:

URL: tp://bafoussam:631/printers/ocetcs400

Example: http://server/printers/myprinter/.printer

Follow the procedure to complete the installation.

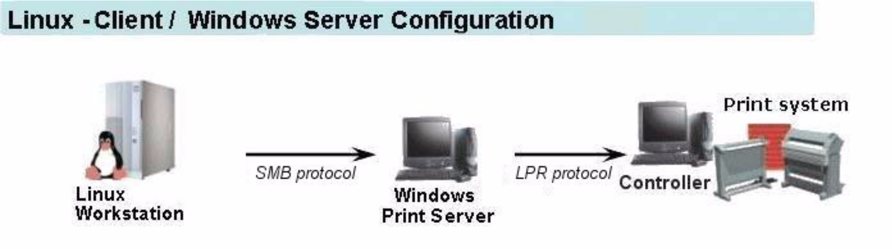
Remark about the use of Samba

It is possible to share a Windows ‘SMB’ printer on a Linux server, and / or use a 'Point & print' Connection from to the Linux server, but it requires many configurations.

Please refer to the Samba 'HowTo' to set this printing configuration.

Print using a Windows print server

In a Client / Server configuration, you can also print from a Linux client to a Windows print server.

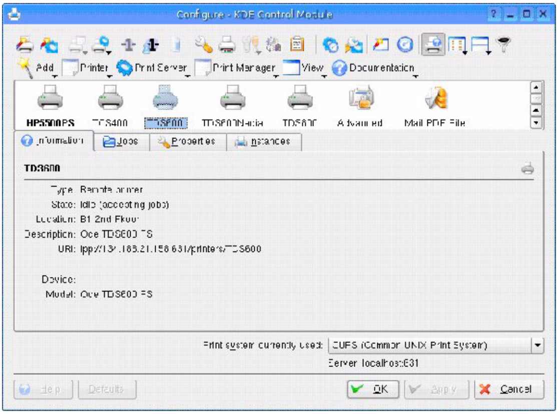


Windows print server installation

We assume the Windows print server is already setup and running (see the section ‘Print server configuration in a Client/Server architecture (under Windows NT/2000/XP/Server 2003)’ on page 39).

Install and configure the Linux client workstation

1 Launch ‘CUPS’ locally



TDS600

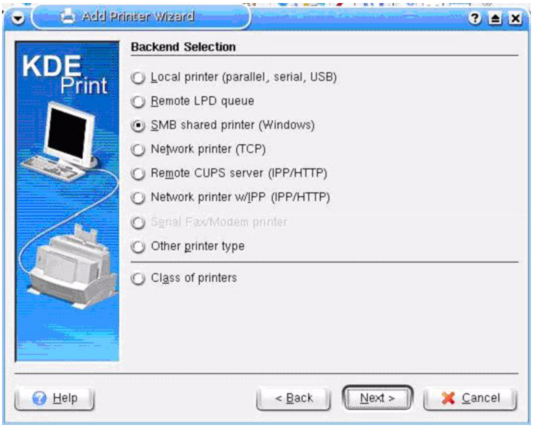
Type: Remote printer
State: Idle (accepting jobs)
Location: B1 2nd Floor
Description: Oce TDS600 FS
URI: ipp://13[illegible].165.21.158:631/printers/TDS600

Device:
Model: Oce TDS600 FS

Print system currently used: CUPS (Common UNIX Print System)
Server localhost:631

2 In the 'Introduction window' of the 'Add Printer Wizard', click 'Next'.

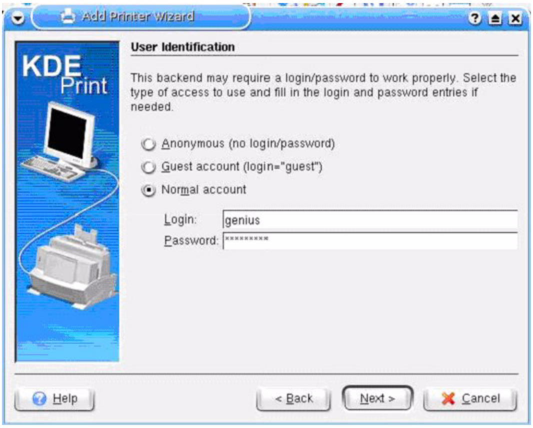
3 In the ‘Backend Selection’ window, choose the ‘SMB shared printer (Windows)’ and click ‘Next’:



Backend Selection

○ Local printer (parallel, serial, USB)
○ Remote LPD queue
● SMB shared printer (Windows)
○ Network printer (TCP)
○ Remote CUPS server (IPP/HTTP)
○ Network printer w/IPP (IPP/HTTP)
○ Serial Fax/Modem printer
○ Other printer type
○ Class of printers

4 Fill in ‘User identification’ (example below is using a registered account) and click ‘Next’:



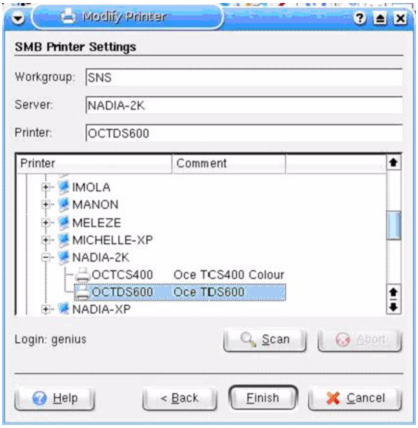
User Identification

This backend may require a login/password to work properly. Select the type of access to use and fill in the login and password entries if needed.

○ Anonymous (no login/password)
○ Guest account (login="guest")
● Normal account

Login: genius
Password: *********

5 Select your printer between the available ones (Océ TDS600 within our example) and click ‘Next’:



SMB Printer Settings

Workgroup: SNS

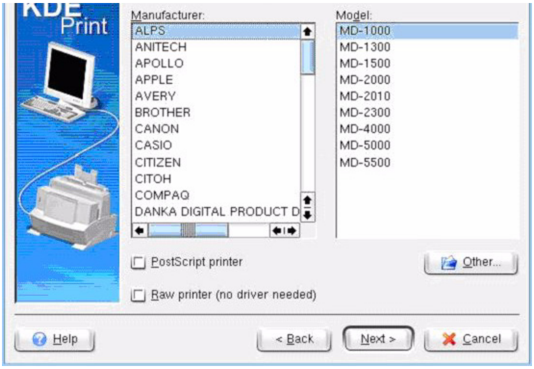
Server: NADIA-2K

Printer: OCTDS600

Printer	Comment
IMOLA	
MANON	
MELEZE	
MICHELLE-XP	
NADIA-2K	
OCTCS400	Oce TCS400 Colour
OCTDS600	Oce TDS600
NADIA-XP	

Login: genius

6 To install the printer driver, click on ‘Other...’



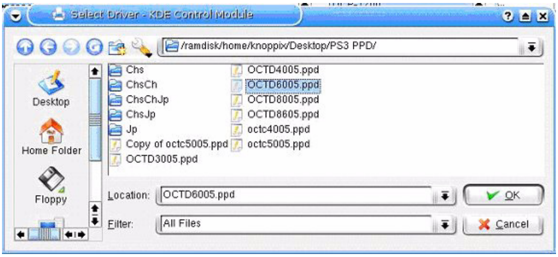
Manufacturer:
- ALPS
- ANITECH
- APOLLO
- APPLE
- AVERY
- BROTHER
- CANON
- CASIO
- CITIZEN
- CITOH
- COMPAQ
- DANKA DIGITAL PRODUCT D

Model:
- MD-1000
- MD-1300
- MD-1500
- MD-2000
- MD-2010
- MD-2300
- MD-4000
- MD-5000
- MD-5500

☐ PostScript printer

☐ Raw printer (no driver needed)

7 Select the specific printer ppd:



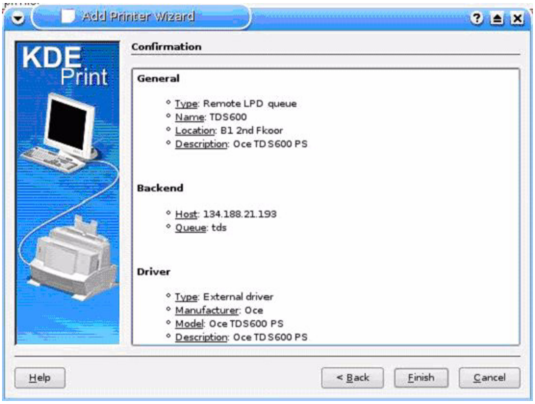
/ramdisk/home/knoppix/Desktop/PS3 PPD/

- Chs
- ChsCh
- ChsChJp
- ChsJp
- Jp
- Copy of octc5005.ppd
- OCTD3005.ppd
- OCTD4005.ppd
- OCTD6005.ppd
- OCTD8005.ppd
- OCTD8605.ppd
- octc4005.ppd
- octc5005.ppd

Location: OCTD6005.ppd

Filter: All Files

8 Check the information and click ‘Finish’:



Confirmation

General

- Type: Remote LPD queue
- Name: TDS600
- Location: B1 2nd Fkoor
- Description: Oce TD S600 PS

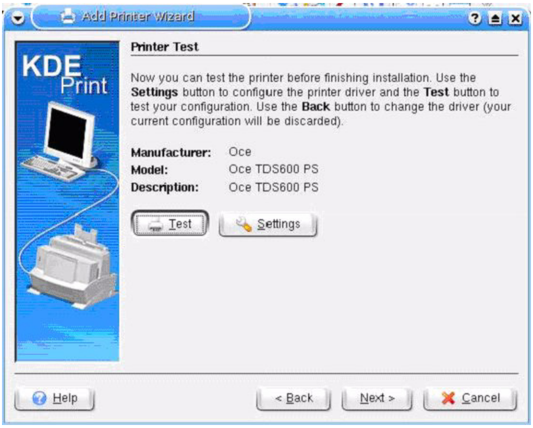
Backend

- Host: 134.188.21.193
- Queue: tds

Driver

- Type: External driver
- Manufacturer: Oce
- Model: Oce TDS600 PS
- Description: Oce TD S600 PS

9 You can print a ‘Test’ page:

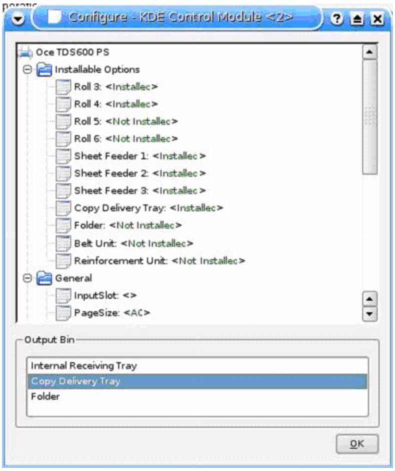


Printer Test

Now you can test the printer before finishing installation. Use the **Settings** button to configure the printer driver and the **Test** button to test your configuration. Use the **Back** button to change the driver (your current configuration will be discarded).

Manufacturer: Oce
Model: Oce TDS600 PS
Description: Oce TDS600 PS

10 You can define the driver ‘Settings’:



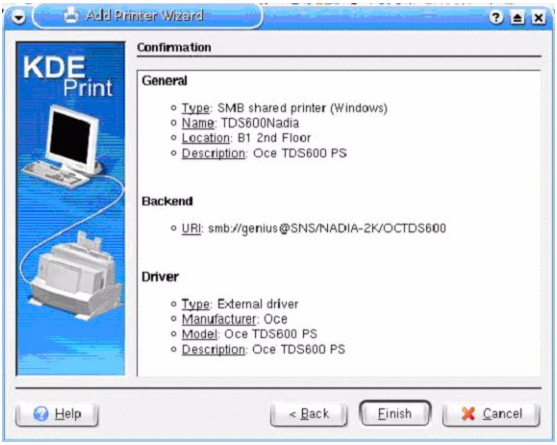
Oce TDS600 PS
- Installable Options
  - Roll 3: <Installec>
  - Roll 4: <Installec>
  - Roll 5: <Not Installec>
  - Roll 6: <Not Installec>
  - Sheet Feeder 1: <Installec>
  - Sheet Feeder 2: <Installec>
  - Sheet Feeder 3: <Installec>
  - Copy Delivery Tray: <Installec>
  - Folder: <Not Installec>
  - Belt Unit: <Not Installec>
  - Reinforcement Unit: <Not Installec>
- General
  - InputSlot: <>
  - PageSize: <AC>

Output Bin
- Internal Receiving Tray
- Copy Delivery Tray
- Folder

11 Enter the general information about the printer.

12 You can define banners, quota, allowed users...

13 Verify the general information about the printer. To complete the installation confirm the information by clicking on ‘Finish’:



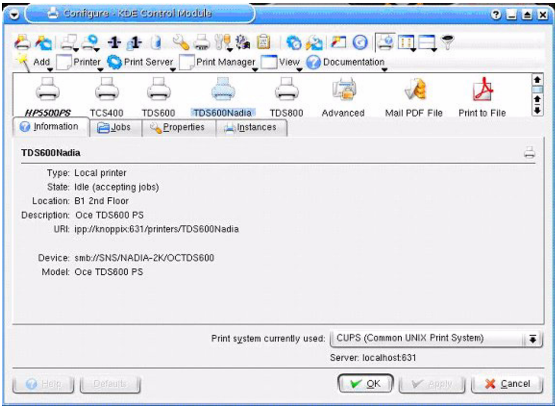
Confirmation

General
- Type: SMB shared printer (Windows)
- Name: TDS600Nadia
- Location: B1 2nd Floor
- Description: Oce TDS600 PS

Backend
- URI: smb://genius@SNS/NADIA-2K/OCTDS600

Driver
- Type: External driver
- Manufacturer: Oce
- Model: Oce TDS600 PS
- Description: Oce TDS600 PS

14 You can now print on the Océ TDS600 located on a Windows print server:



TDS600Nadia

Type: Local printer
State: Idle (accepting jobs)
Location: B1 2nd Floor
Description: Oce TDS600 PS
URI: ipp://knoppix:631/printers/TDS600Nadia

Device: smb://SNS/NADIA-2K/OCTDS600
Model: Oce TDS600 PS

Print system currently used: CUPS (Common UNIX Print System)
Server: localhost:631

Submit jobs via FTP

You can use FTP to transfer job prints.

~ **Submit jobs via FTP on Linux station**

1. Open the Terminal,
2. Enter the ‘ftp’ command. You get the ‘ftp>’ prompt,
3. Enter the 'open' command followed by either:
    - the registered name of the remote host (‘open hostname’).
    - the IP address (e.g. 'open 134.188.21.155').
4. Press ‘Enter’ to connect to the remote FTP server.

    The connection with the FTP server is now established and a prompt appears asking for a user name.

    Note: *Instead of performing steps 2 and 3 you may also enter ‘ftp hostname’ in the FTP client.*
5. Enter a user name (e.g. 'anonymous'), and press ‘Enter’ when prompted for the password.

    A connection is now set up for the user 'anonymous'.
6. Enter 'binary' to set the transmission mode to binary,
7. Use the command: 'cd jobs' to open the jobs directory,
8. Go to the local directory in which the data you want to print are stored (for example a MISC folder) by using the following command:

    ```
    'lcd [here you drag and drop the icon of your MISC folder]
    ```
9. Send the data file (for example: ‘test.pdf’) via either:
    - the 'put' command and the file name (e.g. 'put test.pdf').
    - the 'put' command and you drag and drop the icon of your 'test.pdf' file (e.g. 'put [’test.pdf']')

    Note: *The data is now sent to the input spool directory of the controller, processed and printed.*

    Quit FTP by entering the 'bye' command.

Troubleshooting

Impossible to modify CUPS Server settings

Using Red Hat or Fedora distribution of Linux, you may encounter troubles during the configuration of the CUPS server settings (authorization denied).

It is a known bug for these Linux distributions.

~ **Workaround**

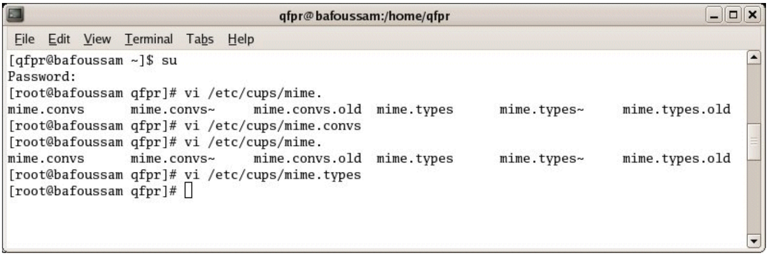
1. From the ‘Security Level Configuration’ window, disable SElinux,
2. Reboot the computer,
3. If needed, enable SElinux again.
   You are able to modify the CUPS server settings.

Impossible to print from the Windows client

As CUPS server expects plain text or PostScript files coming from a client, it may not allow a Windows client to send binary data to a print queue.The server considers it as a denial of service attack on the printer.

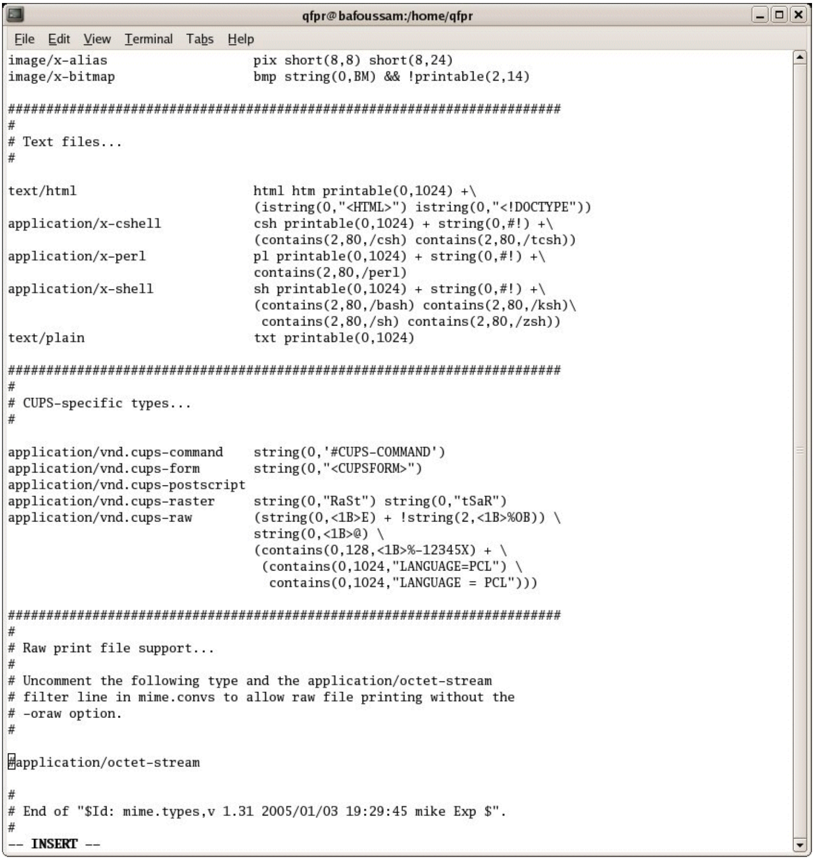
To force CUPS to accept binary data from the Windows client, you need to edit and modify 2 files.

1. Open the Terminal,
2. Log on as Root (‘su’ command):



```
[qfpr@bafoussam ~]$ su
Password:
[root@bafoussam qfpr]# vi /etc/cups/mime.
mime.convs       mime.convs~      mime.convs.old  mime.types      mime.types~     mime.types.old
[root@bafoussam qfpr]# vi /etc/cups/mime.convs
[root@bafoussam qfpr]# vi /etc/cups/mime.
mime.convs       mime.convs~      mime.convs.old  mime.types      mime.types~     mime.types.old
[root@bafoussam qfpr]# vi /etc/cups/mime.types
[root@bafoussam qfpr]# 
```

3 Edit/etc/cups/mime.types

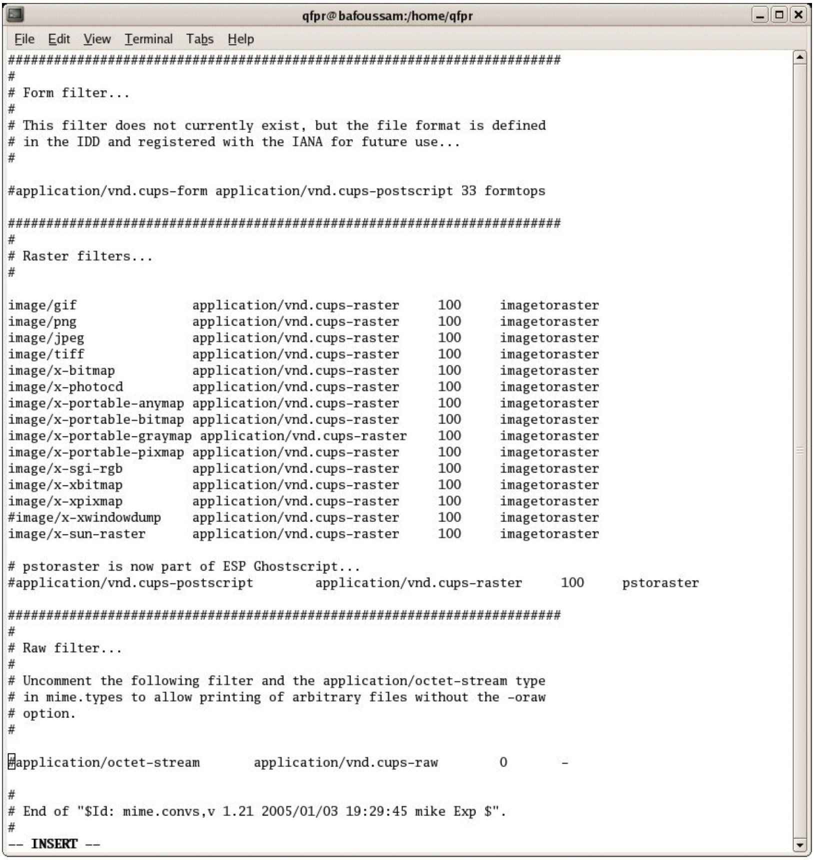


```
image/x-alias                   pix short(8,8) short(8,24)
image/x-bitmap                  bmp string(0,BM) && !printable(2,14)

########################################################################
#
# Text files...
#

text/html                       html htm printable(0,1024) +\
                                (istring(0,"<HTML>") istring(0,"<!DOCTYPE"))
application/x-cshell            csh printable(0,1024) + string(0,#!) +\
                                (contains(2,80,/csh) contains(2,80,/tcsh))
application/x-perl              pl printable(0,1024) + string(0,#!) +\
                                contains(2,80,/perl)
application/x-shell             sh printable(0,1024) + string(0,#!) +\
                                (contains(2,80,/bash) contains(2,80,/ksh)\
                                 contains(2,80,/sh) contains(2,80,/zsh))
text/plain                      txt printable(0,1024)

########################################################################
#
# CUPS-specific types...
#

application/vnd.cups-command    string(0,'#CUPS-COMMAND')
application/vnd.cups-form       string(0,"<CUPSFORM>")
application/vnd.cups-postscript
application/vnd.cups-raster     string(0,"RaSt") string(0,"tSaR")
application/vnd.cups-raw        (string(0,<1B>E) + !string(2,<1B>%0B)) \
                                string(0,<1B>@) \
                                (contains(0,128,<1B>%-12345X) + \
                                 (contains(0,1024,"LANGUAGE=PCL") \
                                  contains(0,1024,"LANGUAGE = PCL")))

########################################################################
#
# Raw print file support...
#
# Uncomment the following type and the application/octet-stream
# filter line in mime.convs to allow raw file printing without the
# -oraw option.
#

#application/octet-stream

#
# End of "$Id: mime.types,v 1.31 2005/01/03 19:29:45 mike Exp $".
#
-- INSERT --
```

4 Remove the comment sharp (#) from the line:

`application/octet-stream`

5 Edit/etc/cups/mime.convs



```
########################################################################
#
# Form filter...
#
# This filter does not currently exist, but the file format is defined
# in the IDD and registered with the IANA for future use...
#

#application/vnd.cups-form application/vnd.cups-postscript 33 formtops

########################################################################
#
# Raster filters...
#

image/gif               application/vnd.cups-raster     100     imagetoraster
image/png               application/vnd.cups-raster     100     imagetoraster
image/jpeg              application/vnd.cups-raster     100     imagetoraster
image/tiff              application/vnd.cups-raster     100     imagetoraster
image/x-bitmap          application/vnd.cups-raster     100     imagetoraster
image/x-photocd         application/vnd.cups-raster     100     imagetoraster
image/x-portable-anymap application/vnd.cups-raster     100     imagetoraster
image/x-portable-bitmap application/vnd.cups-raster     100     imagetoraster
image/x-portable-graymap application/vnd.cups-raster    100     imagetoraster
image/x-portable-pixmap application/vnd.cups-raster     100     imagetoraster
image/x-sgi-rgb         application/vnd.cups-raster     100     imagetoraster
image/x-xbitmap         application/vnd.cups-raster     100     imagetoraster
image/x-xpixmap         application/vnd.cups-raster     100     imagetoraster
#image/x-xwindowdump    application/vnd.cups-raster     100     imagetoraster
image/x-sun-raster      application/vnd.cups-raster     100     imagetoraster

# pstoraster is now part of ESP Ghostscript...
#application/vnd.cups-postscript        application/vnd.cups-raster     100     pstoraster

########################################################################
#
# Raw filter...
#
# Uncomment the following filter and the application/octet-stream type
# in mime.types to allow printing of arbitrary files without the -oraw
# option.
#

#application/octet-stream       application/vnd.cups-raw        0       -

#
# End of "$Id: mime.convs,v 1.21 2005/01/03 19:29:45 mike Exp $".
#
-- INSERT --
```

6 Remove the comment sharp (#) from the line:

`application/octet-stream application/vnd.cups-raw 0`

7 Restart CUPS (see procedure below).

~ **Restart CUPS services**

1 Open ‘Desktop’ / ‘System settings’ / ‘Services’

2 Select CUPS,

3 Click ‘Restart’.

Appendix A

This appendix describes how to configure the Océ TDS/TCS.

General

This appendix is aimed at system administrators and describes how to configure your Océ TDS/TCS system in order to easily integrate it in the Customer's network environment.

The Océ TDS/TCS system can be configured locally or remotely:
- If you configure it locally, nothing needs to be installed since the controller applications (Océ Settings Editor, System Control Panel, …) are directly accessible on the controller monitor.
- If you configure your Océ TDS/TCS system remotely, you need to install the remote applications called 'Remote Logic' on a client workstation.

Attention: *For the Océ TDS400 system without the 'Scan to File' option or the TCS400 standard configuration, you cannot configure your Océ system locally. You need to use the 'remote logic' applications.*

To install 'Remote Logic' on your client workstation and to connect it to the Océ TDS/TCS system, please refer to the corresponding chapter in the Océ TDS/TCS User Manual.

Once 'Remote Logic' is installed on your workstation and connected to your Océ TDS/TCS system, you are ready to configure your system.

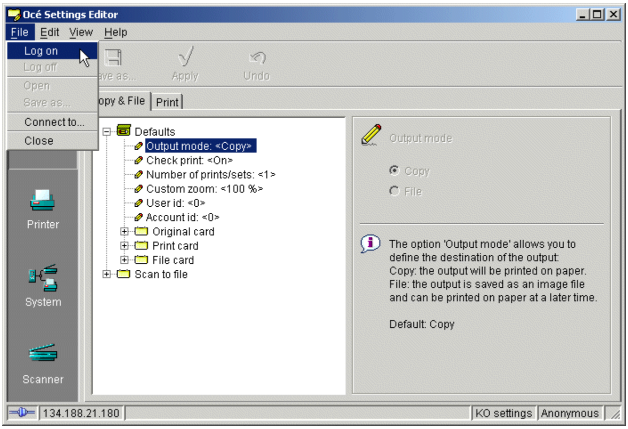
Configuration of your system depends on the network environment. Please refer to the corresponding chapters in this connectivity manual.

Switch the Océ Settings Editor in SA Mode

This section describes how to switch the ‘Océ Settings Editor’ application in System Administrator mode.

1 Once the controller is started, select the ‘Océ Settings Editor’ window.

2 From the ‘File’ menu, select ‘Log on’:



Defaults
- Output mode: <Copy>
- Check print: <On>
- Number of prints/sets: <1>
- Custom zoom: <100 %>
- User id: <0>
- Account id: <0>
- Original card
- Print card
- File card
- Scan to file

Output mode

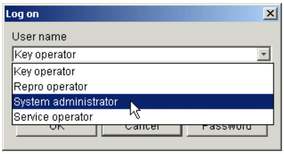
● Copy
○ File

The option 'Output mode' allows you to define the destination of the output:
Copy: the output will be printed on paper.
File: the output is saved as an image file and can be printed on paper at a later time.

Default: Copy

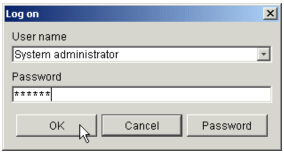
134.188.21.180 | KO settings | Anonymous

3 Select ‘System Administrator’:



User name: Key operator

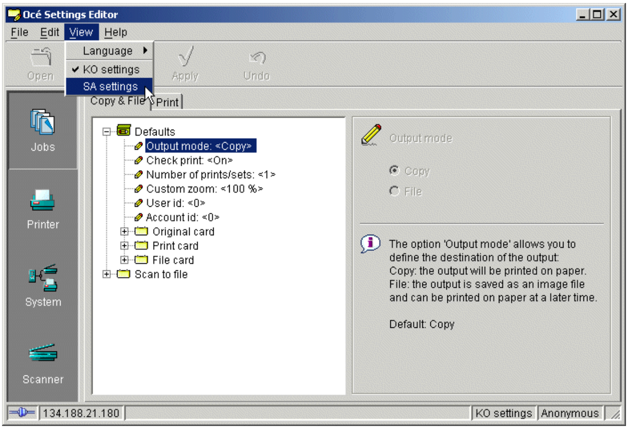
4 Enter the System Administrator Password and click ‘OK’.



User name: System administrator

Password: ******

5 Back to the ‘Océ Settings Editor’ window, you must work in ‘SA’ mode to modify the Connectivity parameters. To perform this operation, select ‘View’ on the Menu bar and click ‘SA settings’.



Defaults
Output mode: <Copy>
Check print: <On>
Number of prints/sets: <1>
Custom zoom: <100 %>
User id: <0>
Account id: <0>
Original card
Print card
File card
Scan to file

Output mode

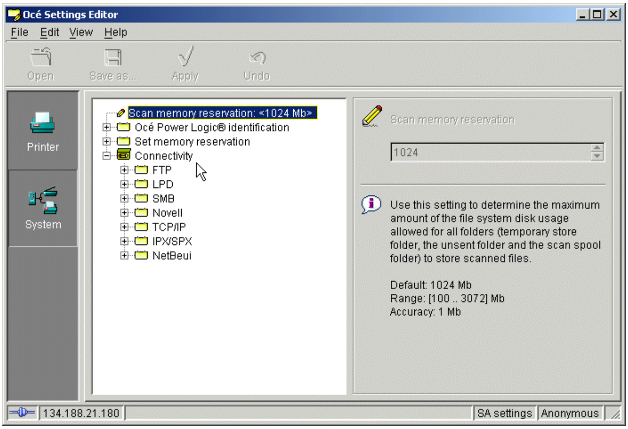
● Copy
○ File

The option 'Output mode' allows you to define the destination of the output:
Copy: the output will be printed on paper.
File: the output is saved as an image file and can be printed on paper at a later time.

Default: Copy

134.188.21.180 | KO settings | Anonymous

6 Click ‘System’ (left hand side of the window). You are now able to modify the ’Connectivity ’ parameters by selecting the ’Connectivity’ folder in the tree.



Scan memory reservation: <1024 Mb>
Océ Power Logic® identification
Set memory reservation
Connectivity
FTP
LPD
SMB
Novell
TCP/IP
IPX/SPX
NetBeui

Scan memory reservation

1024

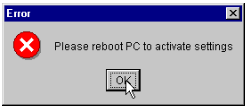
Use this setting to determine the maximum amount of the file system disk usage allowed for all folders (temporary store folder, the unsent folder and the scan spool folder) to store scanned files.

Default: 1024 Mb
Range: [100 .. 3072] Mb
Accuracy: 1 Mb

134.188.21.180 | SA settings | Anonymous

Reboot the controller

Each time you click ‘Apply’ in the ‘Océ Settings Editor’ after having modified a ‘Connectivity’ parameter, a message is displayed which tells you that you must reboot the controller for making the changes active.



Please reboot PC to activate settings

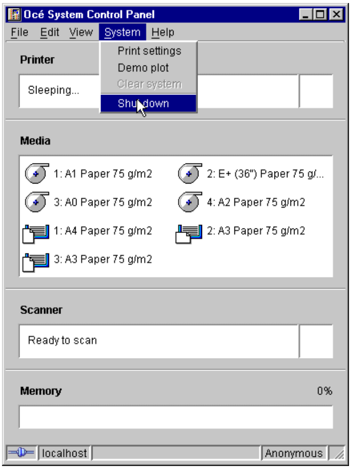
Click ‘OK’ and continue to modify the settings or reboot the controller once all setup is done:

~ **Reboot the Controller:**

1 Switch to the ‘Océ System Control Panel’.

2 Select ‘System’ within the ‘Menu’ bar.

3 Click ‘Shutdown’:



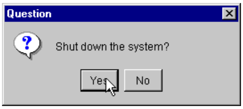
Printer: Sleeping...

Media:
1: A1 Paper 75 g/m2
2: E+ (36") Paper 75 g/...
3: A0 Paper 75 g/m2
4: A2 Paper 75 g/m2
1: A4 Paper 75 g/m2
2: A3 Paper 75 g/m2
3: A3 Paper 75 g/m2

Scanner: Ready to scan

Memory 0%

4 A confirmation window is displayed. Click ‘Yes’ to reboot the Controller.



Shut down the system?

Appendix B

This appendix describes what are the FTP active / passive modes.

Introduction

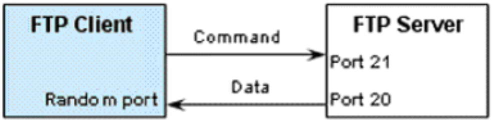
The configuration of the FTP mode has an impact on the way the Océ PLC controller can manage the FTP connections and on the controller security.

See the FTP modes descriptions and impacts on controller security in the following sections:

FTP in active mode

When an FTP session is established between a client and an FTP server:

1 A Command channel (for command communication) is opened by the client to the FTP server.
2 A Data communication channel (for Data exchange) is opened by the server to the client on a random port.



Security remark: FTP server is secured since it requires only 1 port opened ('Port 21') and it is up to the server to secure this port.
This configuration is not secured for the client since it requires a range of opened ports (random).

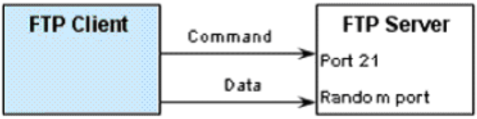
Conclusion for the Océ controller

FTP in active mode is secured when the Océ Power Logic Controller acts as the **FTP server for the FTP printing and data retrieval** (scan, accounting).

FTP in passive mode

When an FTP session is established between a client and an FTP server:

1. A Command channel (for command communication) is opened by the client to the FTP server.
2. A Data communication channel (for Data exchange) is opened by the client to the FTP server.



Security remark: This configuration was created to secure the FTP client (versus FTP in active mode) because it does not require opened input ports. However it is less secured for the FTP server since it needs to open not only the port 21, but also a range of ports for data channel.

Conclusion for the Océ controller

FTP in passive mode is secured when the Océ Power Logic Controller acts as the **FTP client for the Scan To File via FTP**.

Note: *See the http://slacksite.com/other/ftp.html website to find a complete explanation.*